

PRELIMINARY ASSESSMENT  
J & W Pallet and Drum  
EPA ID# GAD084310797  
Atlanta, Fulton County, Georgia  
Volume 2 of 2



10546989

SITE: J + W Pallet + Drum  
BREAK: 1.8  
OTHER: v. 4

Reference 9



# **PHASE I ENVIRONMENTAL SITE ASSESSMENT**

**COMMERCIAL PROPERTY  
1121 ALLENE AVENUE  
ATLANTA, GEORGIA 30310**

**EPIC PROJECT #E4124**

OCTOBER 26, 2004

PREPARED FOR: GRE PARTNERS  
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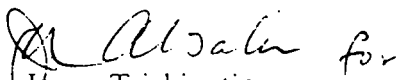
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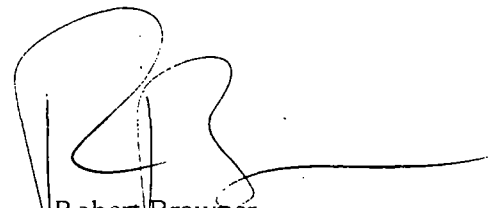
## CERTIFICATION/LIMITATIONS

Epic Consulting, Inc. provides the following certification/limitations:

- The Commercial Property at 1121 Allene Avenue, Atlanta, Fulton County, Georgia, was visited by James Trichinotis of Epic Consulting, Inc on October 8, 2004.
- All work described in this report complies with the ASTM Designation E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.
  - This report pertains only to the current environmental condition of the premises and relates only to areas readily accessible for inspection. Our compensation for preparing this report is not contingent upon our observations or conclusions. This report is intended for use in its entirety.
- To the best of our knowledge, the statements of fact contained herein, on which we based our opinions, conclusions, and recommendations, are true and correct. Information obtained from third parties, and included in this report, is deemed reliable; however, Epic does not represent or warrant the accuracy of this information.
- GRE Partners, its affiliates, nominees, successors, and/or assigns, in evaluating a request for an extension of credit (the "Mortgage Loan") to be secured by the property, may rely upon this report. Epic Consulting, Inc., agrees to cooperate in answering questions by any of the above parties in connection with a securitization or transaction involving the Mortgage Loan.

EPIC CONSULTING, INC.

  
James Trichinotis  
Author/Project Manager

  
Robert Brawner  
Reviewer/Principal

COMMERCIAL PROPERTY  
1121 ALLENE AVENUE  
ATLANTA, GEORGIA 30310

ASSESSMENT COMPONENT	ACCEPTABLE	ACCEPTABLE REQUIRES O & M	FAIL	FAIL POSSIBLE REMEDY	PHASE II	SECTION NUMBER
SITE BACKGROUND & OPERATING HISTORY					YES	4.0
ON-SITE OBSERVATIONS					YES	6.1
HAZARDOUS MATERIALS					YES	6.2
PCB ELECTRICAL EQUIPMENT	YES					6.3
UNDERGROUND AND ABOVEGROUND STORAGE TANKS					YES	6.4
GOVERNMENT DATABASE REVIEW					YES	7.1
LOCAL REGULATORY AGENCIES	YES					7.2

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## 1.0 EXECUTIVE SUMMARY

### 1.1 BACKGROUND

Mr. Byron Cocke of GRE Partners retained Epic Consulting, Inc., to perform this Phase I Environmental Site Assessment (ESA) of the Commercial Property at 1121 Allene Avenue, Atlanta, Fulton County, Georgia. Mr. James Trichinotis, an Epic representative (Appendix A), visited the property on October 8, 2004, and was unaccompanied during the inspection.

The subject property consists of a single-story, brick industrial building with approximately 10,000 net leasable square feet on approximately 0.7 acres of land. The building was reportedly constructed in the early 1960's, and is currently unoccupied. The property is additionally improved with a gravel parking lot, a privacy fence, and a 30-foot alleyway easement located toward the rear of the subject property.

### 1.2 ITEMS ADDRESSED IN REPORT

This ESA included a review of state and federal environmental databases for information about the subject and neighboring properties, a review of the property's prior-use history, a review of aerial photographs, an inspection for contamination, a search for PCB-containing electrical equipment, and a search for underground and aboveground storage tanks (USTs).

### 1.3 CONCLUSIONS

Epic has performed a Phase I ESA in conformance with the scope and limitations of ASTM Designation E 1527-00; Standard Practice for Environmental Site Assessments of the Commercial Property. Any exceptions to, or deletions from, this practice are described in Section 1.2 of the report. This assessment has revealed evidence of the following **RECOGNIZED ENVIRONMENTAL CONDITIONS** in connection with the property

**Site Inspection/Environmental Database Review:** The subject property was formerly the site of J.W. Drum and Pallet Company, a business that was known to have operated from the mid 1990's to the late 1990's. This site is listed as a small quantity generator (SQG) of hazardous wastes with the Georgia EPD. During the operation of this facility, hazardous waste regulated by the Resource Conservation and Recovery Act (RCRA) was transported from an offsite source and was drummed and stored onsite for an unknown period of time. Epic understands the US EPA is currently performing remedial activities at this facility. The onsite storage and/or handling of hazardous waste is considered a recognized environmental condition.

One closed Underground Storage Tank (UST) of unknown size was discovered on the southeast corner of the subject property. The UST has been capped, filled with concrete and is no longer in use. However, documentation regarding the closure of this UST was not available due to a lack of official records at the Georgia EPD. Epic considers the historic UST use on the subject property a recognized environmental condition.

**Environmental Database Review:** Several leaking UST facilities are within 1/8-mile of the subject property. There is a potential for petroleum hydrocarbons from these releases to impact the subject facility groundwater. Therefore, listed nearby UST facilities are a recognized environmental condition.

**Historical Review:** Historic Polk City Directories revealed that the adjoining property east was the site of a former petroleum service station. Mac's Truck Terminal gas station operated throughout the 1950's at 1160 Allene Avenue SW. Epic considers the historic underground storage tank (UST) operation at this site a recognized environmental condition.

**One Mile Area Reconnaissance:** The adjoining property east is now the site of Harmon Brother's Transport, at 1160 Allene Avenue (formerly Mac's Truck Terminal gas station). This site is listed as a leaking underground storage tank (LUST) facility with the Georgia EPD. It is currently being assessed under the supervision of the Georgia EPD by a private contractor. Epic considers the petroleum hydrocarbon release at this site a recognized environmental condition.

Noteworthy information concerning the subject property includes the following:

- **PCB Electrical Equipment Identification:** The transformers on the subject property are owned by Georgia Power Company and were observed to be in good condition with no leaks.

#### 1.4 RECOMMENDATIONS

Epic recommends a Modified Phase II Subsurface Investigation be performed on the subject property to assess for potential impact from the hazardous substances and petroleum associated with the onsite operations, as well as adjacent and/or adjoining properties. The assessment should include groundwater sampling for Volatile Organic Compounds (VOCs) EPA Method 8260, RCRA Metals, PCBs EPA Method 8082, Polynuclear Aromatic Hydrocarbons (PAHs) EPA Method 8270C, and Chlorinated Pesticides (EPA Method 8081).

## 2.0 OBJECTIVES

The purpose of this Phase I ESA is to determine the environmental condition of the property and comply with the due diligence property inspection requirements of the Innocent Landowner Defense under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, and subsequent amendments. This report follows the procedures outlined in the ASTM Designation E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

The scope of work for this Phase I ESA consisted of the following:

- PRIOR-USE HISTORY REVIEW
- REVIEW OF HISTORICAL AERIAL PHOTOGRAPHY
- REVIEW OF THE LOCAL GEOLOGY, SOILS, AND HYDROGEOLOGY
- SITE INSPECTION
- PCB ELECTRICAL EQUIPMENT IDENTIFICATION
- UNDERGROUND AND ABOVEGROUND STORAGE TANK SEARCH
- ENVIRONMENTAL DATABASE REVIEW
- CONTACT WITH REGULATORY AGENCIES

It is not the purpose of the ESA to determine the presence, degree, or extent of contamination, if any, but rather the potential for contamination.

### 3.0 SITE OVERVIEW

#### 3.1 INTRODUCTION

Mr. Byron Cocke of GRE Partners retained Epic Consulting, Inc., to perform this Phase I Environmental Site Assessment (ESA) of the Commercial Property at 1121 Allene Avenue, Atlanta, Fulton County, Georgia. Mr. James Trichinotis, an Epic representative (Appendix A), visited the property on October 8, 2004, and was unaccompanied during the inspection.

#### 3.2 SITE LOCATION

The Commercial Property is located in Atlanta, Georgia at 1121 Allene Avenue. The subject property is located on the west side of Allene Avenue, just south of Warner Street. Interstate 20 is located approximately 1.5 miles to the north, the Interstate 20/Interstate 75 interchange is approximately 2 miles to the northeast, and downtown Atlanta is located approximately 3 miles to the northeast.

#### 3.3 DESCRIPTION OF PROPERTY IMPROVEMENTS

The subject property consists of a single-story brick industrial building with approximately 10,000 net leasable square feet on approximately 0.7 acres of land. The building was reportedly constructed in the early 1960's, and is currently unoccupied. The property is additionally improved with a gravel parking lot, a privacy fence, and a 30-foot alleyway easement located toward the rear of the subject property.

## 4.0 SITE BACKGROUND/OPERATING HISTORY

### 4.1 CURRENT OWNERSHIP

According to the Fulton County Tax Assessor's office, Mr. Brown J. Mercer currently owns the subject property.

### 4.2 PRIOR OWNERSHIP

A chain of title ownership was not performed as a part of this Phase I ESA.

### 4.3 REVIEW OF AERIAL PHOTOGRAPHS

Aerial photographs for the years 1949, 1955, 1972, 1978, and 1986 were reviewed to identify potential environmental concerns on or near the property. The aerial photographs were reviewed at the Natural Resource Conservation Service (NRCS) Cobb County field office.

#### The 1949 Aerial Photograph

The subject property is shown developed with a single-family residence. The immediately surrounding areas to the south, east, and west are also single-family residences. The property immediately to the north is commercially developed.

#### The 1955 Aerial Photograph

The subject property is shown as commercially developed. Single-family residences are located directly east and northeast. Properties immediately to the north and south appear to be commercially developed. An adjoining petroleum service station operates to the east of the subject property.

#### The 1972 Aerial Photograph

The subject property is shown developed with the current improvements. Commercial properties now surround the subject property to the north, south, east, and west.

#### The 1978 Aerial Photograph

The 1978 aerial photograph remains relatively unchanged from the previous photograph.

#### The 1986 Aerial Photograph

The 1986 aerial photograph remains relatively unchanged from the previous photograph.

Based on the review of aerial photographs, the property and adjacent parcels have been occupied by facilities that would create issues of environmental concern for the subject property.

#### 4.4 HISTORIC MAPS AND CITY DIRECTORIES

According to the U.S. Geological Survey Topographic map, 7.5-Minute, Southwest Atlanta Quadrangle, dated 1995, the subject property is shown developed. The Topographic Map is presented as Figure I.

Environmental Data Resources, Inc. (EDR), performed a search of Sanborn Fire Insurance Maps for the subject property. Maps for the years 1932, 1950, and 1978 were reviewed and the findings are as follows:

The 1932 Sanborn Map

The subject property is shown as undeveloped land. Single-family residences are located directly west, south, and east. Commercial property is located to the north.

The 1950 Sanborn Map

The 1950 Sanborn Map remains relatively unchanged from the previous map.

The 1978 Sanborn Map

The subject property is shown as commercially developed. The immediate surrounding properties to the north, south, east, and west are also commercially developed.

Polk historical city directories were reviewed for indications of previous hazardous material use on the property. Directories for the years 1916, 1923, 1932, 1935, 1940, 1944, 1952, 1958, 1963, 1969, 1974, 1978, 1984, 1987, 1991, and 1997 were reviewed at the Atlanta History Center in downtown Atlanta. The subject property is first listed in the 1952 directory as 'Benton Brothers Storage' at 1121 Allene Avenue. From 1963 through 1991, the subject property is listed as Stamps Tire Company and is not listed in the 1944 and earlier city directories. East and adjoining the subject property was the site of a former petroleum service station. Mac's Truck Terminal gas station operated throughout the 1950's at 1160 Allene Avenue SW.

#### 4.5 PREVIOUS ENVIRONMENTAL SITE ASSESSMENTS

Although the EPA is currently performing remedial action at the subject property, no previous environmental site assessment reports were made available to Epic.

## 5.0 AREA TOPOGRAPHY, DRAINAGE, AND GEOLOGY

### 5.1 LOCAL TOPOGRAPHY AND SURFACE DRAINAGE

According to the U.S. Geological Survey Topographic map, 7.5-Minute, Southwest Atlanta, Georgia Quadrangle, dated 1995, the elevation of the property is approximately 1,020 feet above mean sea level, based on the National Geodetic Vertical Datum of 1929. The property has a moderate downward gradient to the south, towards an unnamed tributary in Perkerson Park. The Topographic Map is presented as Figure 1.

Curb gutters along Allene Avenue, and a drainage ditch along the west side of the property provide drainage for the subject property. Storm water from the roof discharges from downspouts along the back of the building to the 30-foot alley easement located on the west side of the property. There were no areas of significant ponding or erosion. Site drainage appears adequate for the subject property.

Flood Zone information for the subject property was reviewed online at the Federal Emergency Management Agency (FEMA) website: <http://store.msc.fema.gov/>. The FEMA Flood Insurance Rate Map for Fulton County, Georgia (Community Panel Number 13121C0356E, dated September 12, 1988), lists the property in Unshaded Flood Zone X, defined as "areas determined to be outside the 500-year floodplain." The FEMA maps do not reflect potential local drainage problems or the ability of the local stormwater management system to convey the surface water runoff created by storms or other occurrences.

### 5.2 SOIL, GEOLOGY, AND GROUNDWATER

The property soils are classified as urban land by the U.S. Department of Agriculture, Natural Resources Conservation Service, 1954 Soil Survey for Fulton County. Urban land is defined as areas where 75% or more of the surface is covered with buildings and pavement, or where the native soil has been excavated or mixed with imported soil. In-situ soils on the property are likely the weathered remnants of underlying bedrock.

Underlying bedrock on the property is classified as biotitic gneiss/undifferentiated (fg2) according to the Geologic Map of Georgia (1976). Depth to bedrock on the property is not known; however, bedrock in this section of the Piedmont is usually less than 50 feet below ground surface (bgs).

Depth to groundwater on the subject property is approximately 30 – 35 feet bgs. Groundwater flow direction generally follows surface topography downgradient. There may also be underlying, confined aquifers with site-specific groundwater flow directions dependent on interconnectivity of aquifers and continuity of confining layers. Unconfined, surficial groundwater likely flows south from the property towards an unnamed tributary in Perkinson Park, approximately 4,000 feet away.

## 6.0 RESULTS OF THE INSPECTION

The purpose of the site inspection is to identify potential environmental concerns on the property and surrounding areas. During inspection of the building and common grounds, Mr. James Trichinotis looked for stained or disturbed soil, signs of illegal or unauthorized dumping, and improper or imprudent storage of hazardous materials.

### 6.1 OBSERVATIONS

The subject property is located on the southwest corner of the intersection at Allene Avenue and Warner Street. The property rests on approximately 0.7 acres of land, and contains a single-story brick building encompassing approximately 10,000 square feet of space. The previous tenant has vacated the building that is currently utilized to store 55-gallon drums and larger totes. These containers are a result of the ongoing EPA cleanup on the subject property. In addition to the drums, one UST was observed on the southeast corner of the subject property, beneath the gravel and rock currently covering the parking area. The UST is capped, filled with concrete and no longer in use.

Several areas of soil and vegetation staining were observed on the western border of the subject property, along the 30-foot alleyway easement. Additionally, numerous areas of common household debris was observed throughout the subject property, including glass, tires, and used automobile parts.

The building is a wood-framed single-story structure with a brick veneer exterior. Portions of the facility's roof have collapsed and/or are missing. The property is additionally improved with a privacy fence encompassing the property, and a 30-foot alley easement located on the west border of the subject property.

The property is bordered to the east by Harmon Brothers Transport at 1160 Allene Avenue, across Allene Avenue; to the south by Maxis Complete Auto Care at 1135 Allene Avenue; to the west by vacant land; and to the north by vacant commercial property.

The property receives utility services from the following sources:

<b>Electricity:</b>	Georgia Power
<b>Natural Gas:</b>	Atlanta Gas & Light
<b>Water/Sewer:</b>	City of Atlanta
<b>Solid Waste:</b>	Waste Management, Inc.

## 6.2 HAZARDOUS SUBSTANCES IDENTIFICATION

No insecticides or landscaping chemicals are stored onsite. Several 55-gallon drums were observed on the property, and contained unknown substances. These containers are a result of the ongoing EPA cleanup on the subject property.

## 6.3 PCB ELECTRICAL EQUIPMENT IDENTIFICATION

Polychlorinated Biphenyl (PCB) is the common name for a class of carcinogenic chemicals used as antioxidants in cooling oils of older electrical transformers. Transformers containing PCBs were manufactured between 1929 and 1977. In 1986, the EPA estimated approximately 77,000 PCB transformers were still in use. Of these, about 18,000 were owned by utility companies, with the majority of the transformers belonging to building owners.

Three pole-mounted transformers were observed on the northeast corner of the subject property. The transformers are owned and maintained by Georgia Power Company. As owner of the transformers, Georgia Power is responsible for keeping them in compliance with federal, state, and local regulations, and would be responsible for cleanup of any releases associated with the equipment. The transformers are in good condition with no indication of leaks. Therefore, considering transformer condition and ownership by the utility company, the risk associated with PCBs at the subject property is considered low.

Carolyn Kennedy of Georgia Power was contacted for questions concerning the pole-mounted transformers located on the subject property. She indicated that all transformers in Fulton County were inspected for PCB's in 1997-1998, and any transformers containing PCBs were removed and replaced with new, non-PCB containing transformers. In addition, Mrs. Kennedy indicated that any contamination associated with PCB containing transformers is the sole responsibility of Georgia Power.

#### 6.4 PETROLEUM STORAGE TANK FACILITIES

Efforts were made to determine the presence of underground storage tanks (USTs) within a ¼-mile radius and leaking underground storage tanks (LUSTs) within a ½-mile radius of the subject property. Epic reviewed the following databases provided by EDR and included in Appendix C.

1. Georgia Underground Storage Tank List (UST): The Georgia UST List is a comprehensive list of all registered active and inactive storage tanks in the state provided by the Georgia Department of Natural Resources, Environmental Protection Division (EPD), and may not include heating oil tanks used for residential purposes.
2. Georgia Leaking Underground Storage Tank List (LUST): The Georgia LUST List is a comprehensive list of all regulated and non-regulated confirmed/suspected releases in the state provided by the EPD.

The subject property was not identified on the databases reviewed. Three UST facilities are within ¼ mile of the property and eight LUST facilities are within a ½-mile radius of the property as reported in accordance with the ASTM-specified radii.

##### UST facilities:

Of the three UST facilities within ¼ mile, one is adjacent to the subject property. Two of the UST facilities are discussed as LUST facilities in the following section. The remaining UST facility is as follows:

**Spring Communications Company** – This facility is a business located approximately 715 feet south of the subject property at 1190 Allene Avenue. The facility ID number for this site is 9060043. Based on a lack of reported release, the identification of a primary responsible party, and its distance from the subject facility, this site poses a **low environmental concern to the subject property.**

##### LUST facilities:

Of the eight LUST facilities within ½ mile of the subject property, six are greater than ¼ mile and are not considered a significant environmental concern based on their distance. The remaining two LUST facilities include the following:

**Harmon Brothers Charter Service** – This facility is a business approximately 430 feet south-southeast and adjoining the subject property at 1160 Allene Avenue. It is registered as a LUST site with the Georgia EPD facility ID#9060535 with a release date of August 4, 1995. Based on its close proximity to the subject property and confirmed release, this site poses an environmental concern to the subject property.

**Champion International Corporation** – This facility is a business located approximately 550 feet west of the subject property at 840 Woodrow Street. The facility identification number for this site is 09000160. Winthrop Brown, technical duty officer for the Georgia EPD, confirmed that this site is currently under a corrective action plan (CAP-A). The site is currently being assessed by a private contractor for a release in connection with the LUST located on site. Based on its close proximity to the subject property and confirmed release, this site poses an environmental concern to the subject property.

#### 6.5 OTHER CONDITIONS OF CONCERN

Nothing was observed during the site inspection to indicate the property could be considered a wetland, an endangered species habitat, a federally designated scenic area, an historical landmark site, or an area of archeologic or palcontologic interest.

## 7.0 REGULATORY/GOVERNMENT AGENCY INQUIRIES

### 7.1 FEDERAL AND STATE REGULATORY AGENCIES

A review of applicable and accessible federal, state, and local databases was made to see if the property, adjacent properties, or properties within a 1-mile radius were suspected of having environmental problems that could impact the subject property. The review included records from the following databases provided by EDR (Appendix C):

#### Federal Agencies

- A. National Priorities List (NPL): The NPL is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the US Department of Health and Human Services and the EPA to become an NPL site.
- B. Resource Conservation and Recovery Information System - Treatment, Storage, and Disposal Facilities (RCRIS - TSD): The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of origin to the point of disposal. RCRA TSDs are facilities that treat, store, and/or dispose of hazardous waste. The RCRA Facilities database is a compilation by the EPA of facilities that report generation, storage, transportation, treatment or disposal of hazardous waste.
- C. RCRIS - Corrective Action Sites (CORRACTS): The RCRIS-CORRACTS report contains information about hazardous waste treatment, storage, and disposal facilities (RCRA-TSDs) which have conducted, or are currently conducting, corrective action(s) regulated under the Resource Conservation and Recovery Act. This report includes the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS); inspections and evaluations conducted by federal and state agencies; all reported facility violations, the environmental statute(s) violated, and any proposed or actual penalties; and a complete listing of EPA-regulated hazardous wastes which are generated or stored on-site.
- D. Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS): The CERCLIS database is a comprehensive list of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have been investigated, or are currently under investigation by the EPA for the release, or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation and ultimately placed on the National Priorities list. As of February 1995, CERCLIS sites designated "no further remedial action planned" (NFRAP) have been removed from the CERCLIS database.

- E. RCRIS Large Quantity Generators of hazardous waste (LQG): RCRA LQGs are facilities that generate at least 1,000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste.
- F. RCRIS Small Quantity Generators of hazardous waste (SQG): RCRA Small, and Very Small generators are facilities that generate less than 1,000 kg/month of non-acutely hazardous waste.

#### State Agencies

- G. State Hazardous Waste Sites (SHWS): This database is a comprehensive list of sites that have had a release of hazardous substances and are listed on the inactive Hazardous Sites Inventory – State Priority List (SPL) provided by the EPD.
- H. Solid Waste Landfill Facilities (SWF/LF): This database is a list of all permitted active, inactive, in-closure, and industrial solid waste facilities operating in the state provided by the EPD.

The subject property was identified as a small quantity generator of hazardous waste on the databases reviewed. From the review and area reconnaissance, no NPL, CORRACTS, or SHWS sites are within the 1-mile ASTM radius of the property. No SWF/LF, or RCRA-TSD facilities are within the ½-mile ASTM radius of the property. No SQG or LQG facilities were identified adjacent to the subject property. The following facilities were identified within ASTM-specified radii:

**J & W Pallet & Drum Company** – The subject property was formerly the site of J.W. Drum and Pallet Company, a business that was known to have operated from the mid 1990's to the late 1990's. This site is listed as a small quantity generator (SQG) of hazardous wastes with the Georgia EPD. During the operation of this facility, hazardous waste regulated by the Resource Conservation and Recovery Act (RCRA) was transported from an offsite source and was drummed and stored onsite for an unknown period of time. Epic understands the US EPA is currently performing remedial activities at this facility. The onsite storage and/or handling of hazardous waste is considered a recognized environmental condition.

**Champion International Corporation/Cadillac Products** – The facility is listed as a small quantity generator (SQG) of hazardous waste, and a Georgia Non-HSI site. The facility is approximately 550 feet west of the subject property at 840 Woodrow Street, EPA ID#GAD981282312. Personnel contacted during the site visit indicated that wastes generated during regular operating activities at this site include used motor oil, antifreeze, and other automotive products. In addition, a potentiometric surface map produced from a previous environmental assessment indicates that groundwater flows to the southeast and away from the subject property. Based on the distance of the facility to the subject property, the identification of a primary responsible party, and its status as a GA Non-HSI site, this facility is considered a low environmental concern to the subject property.

**Cab Lift Atlanta** –is a business approximately 840 feet south-southeast of the subject property at 1210 Allene Avenue. This site is listed as a small quantity generator of hazardous wastes. The EPA ID number for this site is GAD981249246. Personnel contacted during the site investigation indicated that wastes associated with this site are automotive coolants and used motor oil. Based on its distance from the subject facility, and the identification of a primary responsible party, this site poses a low environmental concern to the subject property.

**ESB Inc.** –is a business located approximately 890 feet south-southeast of the subject property at 1214 Allene Avenue. The site is listed as a small quantity generator of hazardous waste as well as a CERCLIS site, EPA ID #GAD078105749. The site was assessed and is not listed on the National Priorities List (NPL). Based on its distance from the subject facility, the identification of a primary responsible party, this site poses a low environmental concern to the subject property.

**Superior Associates** –is a business approximately 1260 feet west of the subject property at 1135 Sylvan Road and is listed as a Georgia Non-HSI site, EPA ID #GAD033534470. This site was granted 'no further action' by the Georgia EPD in 1999. Based on the distance of the facility to the subject property, the identification of a primary responsible party, and its no further action status, this facility is considered a low environmental concern to the subject property.

**Superior Sealants** –is a business approximately 1260 feet west of the subject property at 1135-9 Sylvan Road. The site is listed as a small quantity generator of hazardous waste as well as a CERCLIS, EPA ID #GAD033534470. The site was assessed and is not listed on the National Priorities List (NPL). Additionally, Mr. Shaw Painter, health and safety officer for Superior Sealants, was contacted and indicated that hazardous wastes including acetone, and ethylene are used during the operation of this site and disposed of by a private contractor. Based on its distance from the subject facility, the identification of a primary responsible party, this site poses a low environmental concern to the subject property.

The hazard associated with contamination by listed facilities is low. Additionally, listed orphan sites (unmappable due to insufficient data) were cross-referenced with area street names and determined to be outside the ASTM-designated radii of the subject property.

## 7.2 LOCAL GOVERNMENT INQUIRIES

Fire Marshal David Daniels of the Fulton County Fire Department was contacted for recorded information regarding underground storage tank installation/removal, chemical hazards, leaks, spills, or incidents of environmental concern on or near the property. A response to our request has not been received as of the date of this report. Epic will contact GRE Partners upon notification of any potential violations or environmental concerns received from the fire department.

## 8.0 CONCLUSIONS AND RECOMMENDATIONS

Epic has performed a Phase I ESA in conformance with the scope and limitations of ASTM Designation E 1527-00, Standard Practice for Environmental Site Assessments of the Commercial Property. Any exceptions to, or deletions from, this practice are described in Section 1.2 of the report. This assessment has revealed the following evidence of **RECOGNIZED ENVIRONMENTAL CONDITIONS** in connection with the property:

- The subject property was formerly the site of J.W. Drum and Pallet Company, a business that was known to have operated from the mid 1990's to the late 1990's. This site is listed as a small quantity generator (SQG) of hazardous wastes with the Georgia EPD. During the operation of this facility, hazardous waste regulated by the Resource Conservation and Recovery Act (RCRA) was transported from an offsite source and was drummed and stored onsite for an unknown period of time. Epic understands the US EPA is currently performing remedial activities at this facility. The onsite storage and/or handling of hazardous waste is considered a recognized environmental condition.
- Several LUST facilities are within 1/8-mile of the subject property. There is a potential for petroleum hydrocarbons from these releases to impact the subject facility groundwater. Therefore, listed nearby UST facilities are a recognized environmental condition.
- One closed Underground Storage Tank (UST) of unknown size was discovered on the southeast corner of the subject property. The UST has been capped, filled with concrete and is no longer in use. However, documentation regarding the closure of this UST was not available due to a lack of official records at the Georgia EPD. Epic considers the historic UST use on the subject property an environmental condition.
- Additionally, Historic Polk City Directories revealed that the adjoining property east was the site of a former petroleum service station. Mac's Truck Terminal gas station operated throughout the 1950's at 1160 Allene Avenue SW. Currently, this is an active UST facility, "Harmon Brother's Transport" with a petroleum hydrocarbon release currently being monitored under the supervision of the Georgia EPD. Epic considers the current and historic UST operation, as well as the active petroleum release at this facility a recognized environmental condition.

Epic recommends a Modified Phase II Subsurface Investigation be performed on the subject property to assess for potential impact from the hazardous substances and petroleum associated with the onsite operations, as well as adjacent and/or adjoining properties. The assessment should include groundwater sampling for VOCs (EPA Method 8260), RCRA Metals, PCBs (EPA Method 8082), PAHs (EPA Method 8270C), and Chlorinated Pesticides (EPA Method 8081).

## 9.0 REFERENCES

The EDR Radius Map Report, dated October 21, 2004.

Federal and state environmental databases

Fire Chief David Daniels, Fulton County Fire Department, verbal request via telephone on October 25, 2004, 404-730-6700.

Outstanding fire code violation information, environmental issues

Natural Resource Conservation Service, Cobb County field office, office visit on October 21, 2004.

Aerial photographs

Atlanta History Center, visit on October 21, 2004.

City directory search

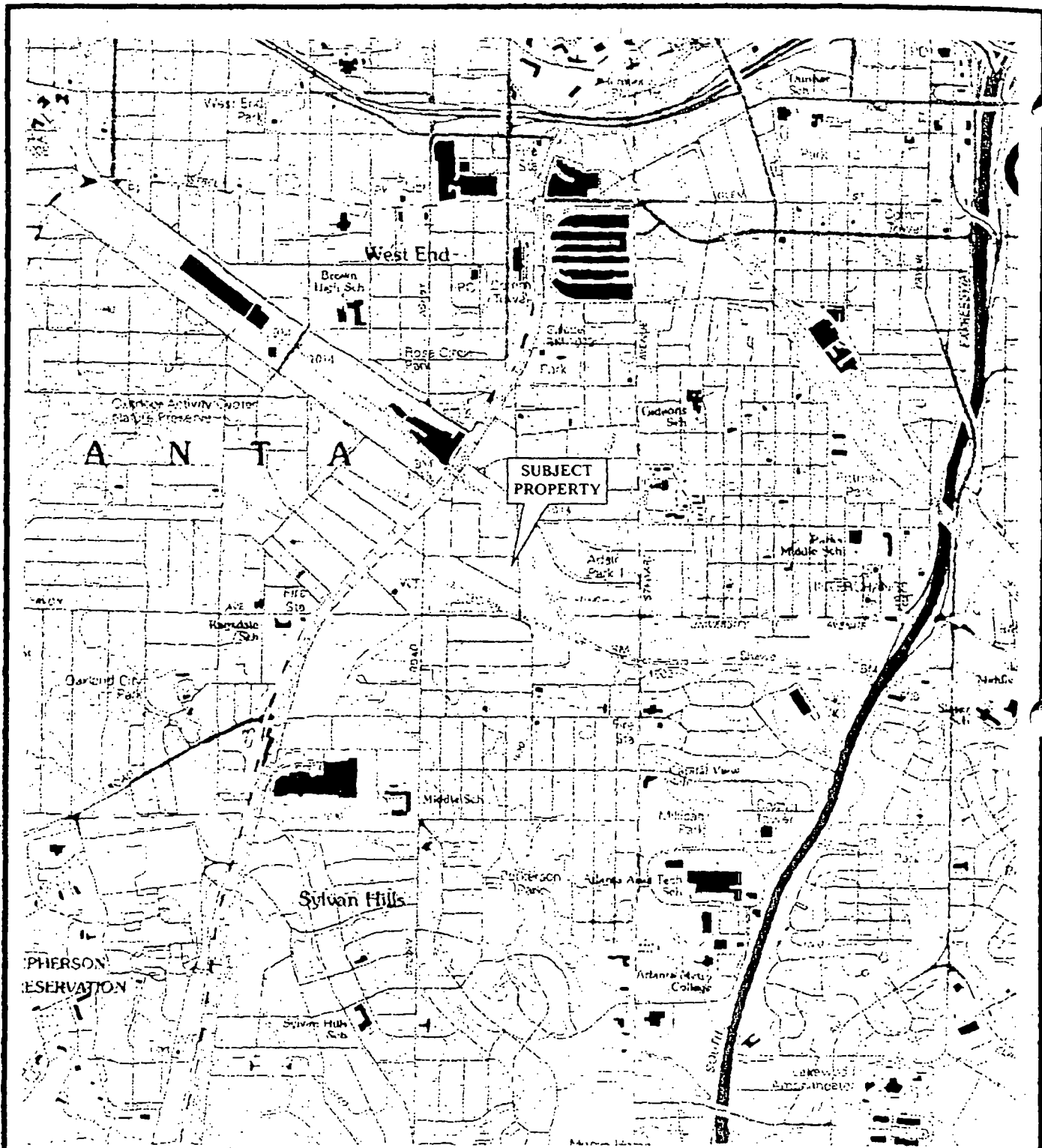
Mr. Shaw Painter, safety officer for Superior Sealants, via telephone conversation on October 5, 2004. (404)-758-2611


SQG inquiry

Environmental file review, Epic Project #23322.01 dated November 3, 2003 on October 7, 2004.

Non-HSI inquiries

## FIGURES



Legend	Figure I – Topographic Map	Scale
<p>Map Date: 1995</p>	<p>Commercial Property 1121 – 1135 Allene Avenue Atlanta, Georgia 30313</p>	<p>0 1,000 2,000</p>  <p>1" = 2,000'</p>
<p>Source: USGS Southwest Atlanta Georgia Quadrangle, 7.5-Minute Topographic</p> <p>Epic Project #: E4124.01</p>	<p>JJT</p>	<p>Epic Consulting, Inc. providing solutions</p>

**APPENDIX A**  
**PERSONNEL QUALIFICATIONS**

## RESUME

JAMES J. TRICHINOTIS

Project Manager

### EDUCATION

Bachelor of Science, Environmental Health Science  
University of Georgia

### PROFESSIONAL CERTIFICATION

OSHA 40-Hour HAZWOPER  
Asbestos Inspector # 8337  
American Industrial Hygiene Association: National & Local  
Member

### PROFESSIONAL EXPERIENCE

Mr. Trichinotis began his career in the summer of 1999 tracking and charting the West Nile Virus, a mosquito borne vector virus, in the state of Georgia for both OSHA and state governmental agencies. His environmental experience continued with extensive CERCLA and RCRA regulated soil and groundwater monitoring, as well as several Phase I and Phase II environmental site assessments throughout Georgia and Alabama. His most recent work includes indoor environmental quality (IEQ) investigations in residential, commercial, and industrial settings for both microbial and chemical contamination. Mr. Trichinotis has also served as project manager for multi-million dollar IEQ commercial remediation projects throughout the United States and abroad, which included the design of site-specific technical specifications, as well as the implementation of IICRC guidelines for mold remediation.

### AREAS OF PROFICIENCY

- Phase I and II Environmental Site Assessments
- Asbestos Inspections
- Lead Inspections
- IEQ Investigations (Microbial and Chemical)
- CERCLA and RCRA Investigations
- Groundwater Monitoring
- General Consulting

Epic Consulting, Inc.

providing solutions

# RESUME

ROBERT BRAWNER

Senior Project Manager

## EDUCATION

Bachelor of Science, Biology  
Bachelor of Arts, Anthropology  
University of Georgia

## PROFESSIONAL CERTIFICATION

International Fire Code Institute Certification  
Hazardous Waste Handling Certification #77970  
OSHA 40-Hour HAZWOPER  
Asbestos Inspector #2879  
Lead Inspector #1420  
Certified Veeder Root Monitoring System Installer

## PROFESSIONAL EXPERIENCE

Mr. Brawner is one of Epic's Senior Project Managers who has worked extensively in the construction and environmental arena on a wide array of projects. He has worked in many areas of the Underground Storage Tank field for many years and has gained extensive knowledge of systems and related site conditions that may influence remediation effectiveness. Mr. Brawner has installed and maintained a variety of UST systems in accordance with state compliance laws, as well as designing, installing, and maintaining remediation systems at numerous UST facilities.

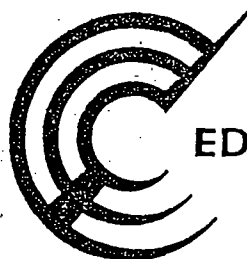
Based on his expertise with Underground Storage Tank installation and compliance issues, Mr. Brawner has embraced the construction and commercial real-estate industry. His sound understandings of actual and potential challenges facing Epic's clients has enabled him to cost-effectively and quickly assist commercial real-estate developers with their projects. Mr. Brawner focuses on the variety of problems that may arise, and is then able to implement solutions to avoid unnecessary delays on pending real-estate transactions. He strives to expand his qualifications with every project, including frontline issues such as indoor mold assessment and remediation.

## AREAS OF PROFICIENCY

- Underground Storage Tanks (UST)
  - UST System Evaluation and Maintenance
  - UST System Compliance
  - UST System Design and Installation
  - UST Closure and Removal
  - Corrective Action Plans, Part A & B
  - Groundwater Monitoring
  - Remediation System Design, Installation, Maintenance and Monitoring
- CERCLA Investigation
- HSRA Investigation
- RCRA Investigation
- Phase I and II Environmental Site Assessment
- Asbestos Inspection
- Lead-Based Paint Inspection
- Mold Assessment and Remediation
- Construction Management
- Public Utility Design and Installation
  - Public Water Supply Infrastructure
  - Sanitary Sewer Systems
  - Stormwater Conveyance Systems

**APPENDIX B**

**ENVIRONMENTAL DATABASE REVIEW**



**EDR™** Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Commercial Property  
1121 Allene Avenue  
Atlanta, GA 30310**

**Inquiry Number: 01292314.1r**

**October 21, 2004**

## **The Standard in Environmental Risk Management Information**

**440 Wheelers Farms Road  
Milford, Connecticut 06460**

### **Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)**

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1121 ALLENE AVENUE  
ATLANTA, GA 30310

#### COORDINATES

Latitude (North): 33.724100 - 33° 43' 26.8"  
Longitude (West): 84.413900 - 84° 24' 50.0"  
Universal Transverse Mercator: Zone 16  
UTM X (Meters): 739626.9  
UTM Y (Meters): 3734375.5  
Elevation: 1031 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 33084-F4 SOUTHWEST ATLANTA, GA  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
J & W PALLET & DRUM CO 1121 ALLENE AVE ATLANTA, GA 30310	RCRIS-SQG FINDS	GAD984310797

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ( "reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

### FEDERAL ASTM STANDARD

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned  
CORRACTS..... Corrective Action Report  
RCRIS-TSD..... Resource Conservation and Recovery Information System

## EXECUTIVE SUMMARY

RCRIS-LQG..... Resource Conservation and Recovery Information System  
ERNS..... Emergency Response Notification System

### STATE ASTM STANDARD

SHWS..... Hazardous Site Inventory  
SWF/LF..... Solid Waste Disposal Facilities  
HIST LF..... Historical Landfills

### FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees  
ROD..... Records Of Decision  
Delisted NPL..... National Priority List Deletions  
HMIRS..... Hazardous Materials Information Reporting System  
MLTS..... Material Licensing Tracking System  
MINES..... Mines Master Index File  
NPL Liens..... Federal Superfund Liens  
PADS..... PCB Activity Database System  
ODI..... Open Dump Inventory  
UMTRA..... Uranium Mill Tailings Sites  
FUDS..... Formerly Used Defense Sites  
INDIAN RESERV..... Indian Reservations  
DOD..... Department of Defense Sites  
RAATS..... RCRA Administrative Action Tracking System  
TRIS..... Toxic Chemical Release Inventory System  
TSCA..... Toxic Substances Control Act  
SSTS..... Section 7 Tracking Systems  
FTTS INSP..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

### STATE OR LOCAL ASTM SUPPLEMENTAL

GA Spills..... Spills Information

### EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

### BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

### FEDERAL ASTM STANDARD

**CERCLIS:** The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 05/17/2004 has revealed that there are 2 CERCLIS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SUPERIOR SEALANTS</b>	<b>1135-9 SYLVAN RD</b>	<b>1/8 - 1/4 W</b>	<b>D11</b>	<b>36</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>ESB INC</b>	<b>1214 ALLENE AVE SW</b>	<b>1/8 - 1/4 SSE</b>	<b>C9</b>	<b>34</b>

**RCRIS:** Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 08/10/2004 has revealed that there are 5 RCRIS-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CHAMPION INTERNATIONAL CORP</b>	<b>840 WOODROW ST</b>	<b>0 - 1/8 W</b>	<b>B5</b>	<b>11</b>
<b>CADILLAC PRODUCTS</b>	<b>840 WOODROW ST SW</b>	<b>0 - 1/8 W</b>	<b>B6</b>	<b>28</b>
<b>SUPERIOR SEALANTS</b>	<b>1135-9 SYLVAN RD</b>	<b>1/8 - 1/4 W</b>	<b>D11</b>	<b>36</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>CAB LIFT ATLANTA</b>	<b>1210 ALLENE AVE SW</b>	<b>1/8 - 1/4 SSE</b>	<b>C8</b>	<b>34</b>
<b>ESB INC</b>	<b>1214 ALLENE AVE SW</b>	<b>1/8 - 1/4 SSE</b>	<b>C9</b>	<b>34</b>

### STATE ASTM STANDARD

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Natural Resources' Confirmed Release List.

A review of the LUST list, as provided by EDR, and dated 08/04/2004 has revealed that there are 8

## EXECUTIVE SUMMARY

LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHAMPION INTERNATIONAL CORP	840 WOODROW ST	0 - 1/8 W	B5	11
THE RIGHT STUFF STORE #80/STAR	923 LEE ST	1/4 - 1/2 NNW	14	38
ALTERMAN COLD STORAGE	933 LEE STREET	1/4 - 1/2 NNW	16	44
GA BLDG AUTH WAREHOUSE/DEPT AD	1150 MURPHY AVE	1/4 - 1/2 W	17	47
DOC'S AUTO REPAIR	1131 LEE ST	1/4 - 1/2 W	18	49
FORMER LEE STREET STATION	889 LEE STREET	1/4 - 1/2 N	19	50
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HARMON BROTHERS CHARTER SERVIC	1160 ALLENE AVE SW	0 - 1/8 SSE	A3	11
BP #20338	1163 METROPOLITAN PKWY	1/4 - 1/2 E	13	37

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Natural Resources' Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 02/26/2004 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHAMPION INTERNATIONAL CORP	840 WOODROW ST	0 - 1/8 W	B5	11
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HARMON BROTHERS CHARTER SERVIC	1160 ALLENE AVE SW	0 - 1/8 SSE	A2	6
SPRINT COMMUNICATIONS COMPANY	1190 ALLENE AVE	1/8 - 1/4 S	7	31

### STATE OR LOCAL ASTM SUPPLEMENTAL

Non-HSI: Georgia Non Hazardous Site Inventory Sites.

A review of the GA NON-HSI list, as provided by EDR, has revealed that there are 9 GA NON-HSI sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHAMPION INTERNATIONAL CORP.	840 WOODROW ST.	0 - 1/8 W	B4	11
CHAMPION INTERNATIONAL CORP	840 WOODROW ST	0 - 1/8 W	B5	11
SUPERIOR ASSOCIATES	1135 SYLVAN RD.	1/8 - 1/4 W	D10	36
BERNSTEIN SCRAP METAL (FORMER)	1006 MURPHY AVENUE	1/4 - 1/2 WNW	12	37
RECYCLING INDUSTRIES OF ATLANT	972 AVON AVE	1/4 - 1/2 WSW	15	44
MCGEAN-ROHCO, INC.	1314 MURPHY AVENUE, SW	1/2 - 1 WSW	20	50
V.T. USED TIRES	715 WEST WHITEHALL STRE	1/2 - 1 N	22	51
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PITTSBURGH CIVIC LEAGUE APARTM	455 ROCKWELL STREET	1/2 - 1 NE	21	51
J & B SMITH COMPANY INCORPORAT	690 HUMPHRIES ST SW	1/2 - 1 NNE	23	51

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name

WOODALL CREEK SITE  
229 GRANT STREET  
BLACKSHEAR DRUMS  
ASHBY STREET CHEVRON  
UNKNOWN (PREVIOUS PROPERTY OWNER)  
UNDEVELOPED PROPERTY ADJACEN TTO UT

Database(s)

SHWS  
SHWS  
CERC-NFRAP  
LUST  
GA Spills  
GA NON-HSI

# OVERVIEW MAP - 01292314.1r - Epic Consulting, Inc.



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Coal Gasification Sites

■ National Priority List Sites

■ Landfill Sites

■ Dept. Defense Sites

■ Indian Reservations BIA

— Power transmission lines

— Oil & Gas pipelines

■ 100-year flood zone

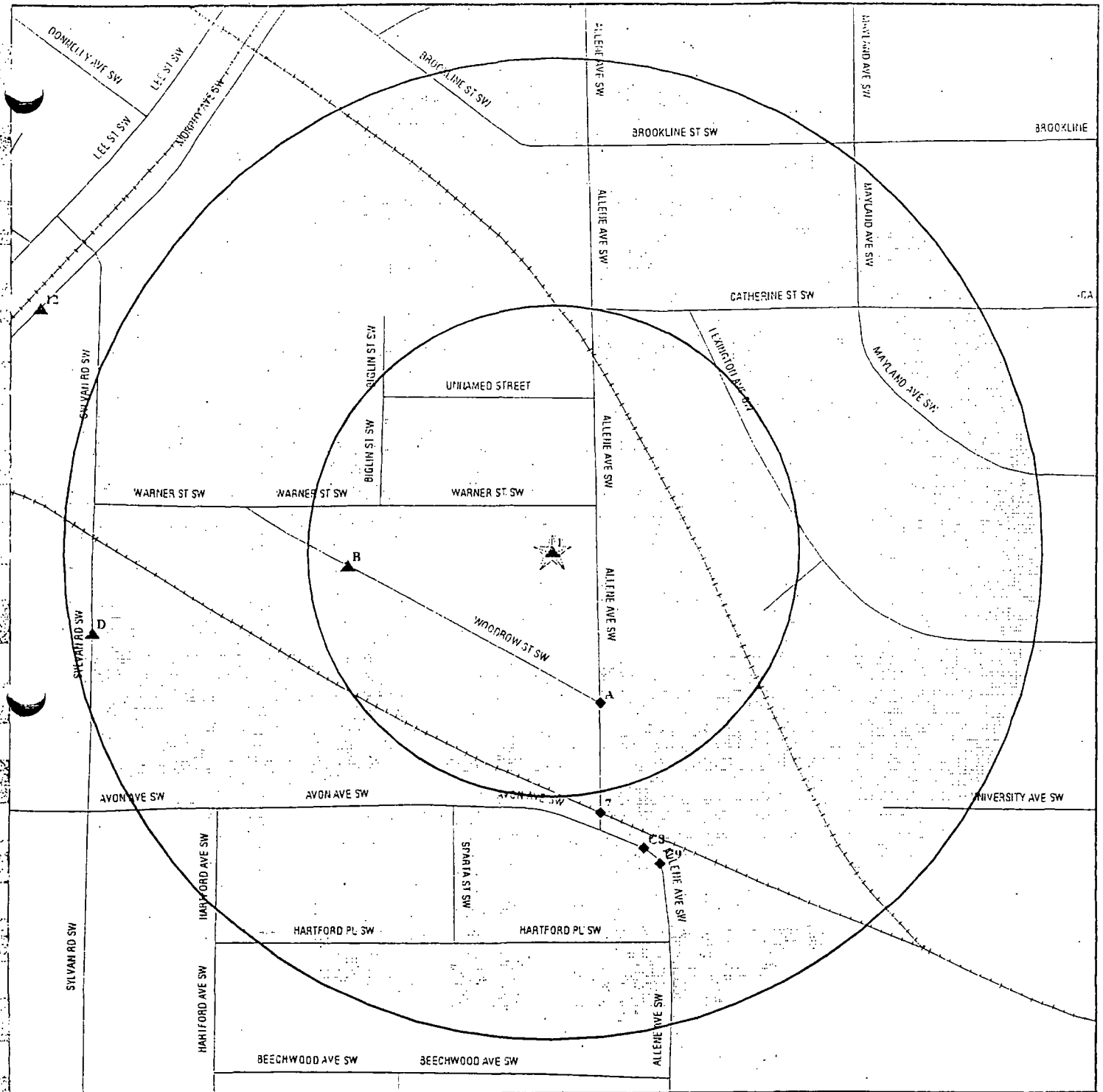
■ 500-year flood zone

0 1/4 1/2 1 Miles

TARGET PROPERTY: Commercial Property  
ADDRESS: 1121 Allene Avenue  
CITY/STATE/ZIP: Atlanta GA 30310  
LAT/LONG: 33.7241 / 84.4139

CUSTOMER: Epic Consulting, Inc.  
CONTACT: James Trichinotis  
INQUIRY #: 01292314.1r  
DATE: October 21, 2004 10:51 am

# DETAIL MAP - 01292314.1r - Epic Consulting, Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- ☾ Landfill Sites
- Dept. Defense Sites

- ▨ Indian Reservations BIA
- ▨ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone

0 1/16 1/8 1/4 Miles

TARGET PROPERTY: Commercial Property  
 ADDRESS: 1121 Allene Avenue  
 CITY/STATE/ZIP: Atlanta GA 30310  
 LAT/LONG: 33.7241 / 84.4139

CUSTOMER: Epic Consulting, Inc.  
 CONTACT: James Trichinotis  
 INQUIRY #: 01292314.1r  
 DATE: October 21, 2004 10:51 am

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL ASTM STANDARD</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	2	0	NR	NR	2
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.	X	0.250	2	3	NR	NR	NR	5
ERNS		TP	NR	NR	NR	NR	NR	0
<u>STATE ASTM STANDARD</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	2	0	0	NR	NR	3
UST		0.250	2	1	NR	NR	NR	3
HIST LF		0.500	0	0	0	NR	NR	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
FUDS		1.000	0	0	0	0	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>								
GA Spills		TP	NR	NR	NR	NR	NR	0
Non-HSI		1.000	2	1	2	4	NR	9
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>								
Coal Gas		1.000	0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
<b><u>BROWNFIELDS DATABASES</u></b>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0

**NOTES:**

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1 J & W PALLET & DRUM CO RCRIS-SQG 1004464374  
Target 1121 ALLENE AVE FINDS GAD984310797  
Property ATLANTA, GA 30310

RCRIS:  
Actual: Owner: JESSE WOODS & ANTHONY JONES  
1031 ft. (404) 753-4671  
EPA ID: GAD984310797  
Contact: JESSE WOODS  
(404) 753-4671  
Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:  
Other Pertinent Environmental Activity Identified at Site:  
Resource Conservation and Recovery Act Information system

A2 HARMON BROTHERS CHARTER SERVICE UST U003006119  
SSE 1160 ALLENE AVE SW N/A  
< 1/8 ATLANTA, GA 30310  
428 ft.

Site 1 of 2 in cluster A

Relative:  
Lower

UST:  
Actual: Facility ID: 9060535  
1028 ft. Total Tanks: 4  
Tank ID: 1  
Material: Cathodically Protected Steel  
Capacity: 10000.00  
Overfill Protection:  
Spill Date: 08/04/95  
Overfill Installed: 08/04/95  
Tank Exempt From Spill: Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102  
1160 ALLENE AVE SW  
ATLANTA, GA 30310  
Owner County: Not reported  
Owner Phone: (404) 752-9479  
Product: Diesel  
Status: Installed  
Status Date: / /  
Pipe Type: Suction: Valve At The Tank  
Pipe Material: Double Walled

Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 1  
Material: Cathodically Protected Steel  
Capacity: 10000.00  
Overfill Protection:  
Spill Date: 08/04/95  
Overfill Installed: 08/04/95  
Tank Exempt From Spill: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

HARMON BROTHERS CHARTER SERVICE (Continued)

U003006119

Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102  
1160 ALLENE AVE SW  
ATLANTA, GA 30310  
Owner County: Not reported  
Owner Phone: (404) 752-9479  
Product: Diesel  
Status: Currently In Use  
Status Date: / /  
Pipe Type: Suction: Valve At The Tank  
Pipe Material: Double Walled

Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 1  
Material: Cathodically Protected Steel  
Capacity: 10000.00  
Overfill Protection:  
Spill Date: 08/04/95  
Overfill Installed: 08/04/95  
Tank Exempt From Spill: Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102

1160 ALLENE AVE SW  
ATLANTA, GA 30310  
Owner County: Not reported  
Owner Phone: (404) 752-9479  
Product: Diesel  
Status: Upgrade Repair Not Marked  
Status Date: 12/02/98  
Pipe Type: Suction: Valve At The Tank  
Pipe Material: Double Walled

Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 2  
Material: Marked Unknown  
Capacity: 4000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102

1160 ALLENE AVE SW  
ATLANTA, GA 30310  
Owner County: Not reported  
Owner Phone: (404) 752-9479  
Product: Gas  
Status: Installed  
Status Date: / /  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 2

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

HARMON BROTHERS CHARTER SERVICE (Continued)

U003006119

Material: Marked Unknown  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102  
1160 ALLENE AVE SW  
ATLANTA, GA 30310  
Owner County: Not reported  
Owner Phone (404) 752-9479  
Product: Gas  
Status: Currently In Use  
Status Date: / /  
Pipe Type : Not Marked  
Pipe Material: Unknown  
Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 2  
Material: Marked Unknown  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102  
1160 ALLENE AVE SW  
ATLANTA, GA 30310  
Owner County: Not reported  
Owner Phone (404) 752-9479  
Product: Gas  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type : Not Marked  
Pipe Material: Unknown  
Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 3  
Material: Marked Unknown  
Capacity: 2000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102  
1160 ALLENE AVE SW  
ATLANTA, GA 30310  
Owner County: Not reported  
Owner Phone (404) 752-9479  
Product: Gas  
Status: Currently In Use  
Status Date: / /

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

HARMON BROTHERS CHARTER SERVICE (Continued)

U003006119

Pipe Type : Not Marked  
Pipe Material: Unknown  
  
Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 3  
Material: Marked Unknown  
Capacity: 2000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102  
1160 ALLENE AVE SW  
ATLANTA, GA 30310  
  
Owner County: Not reported  
Owner Phone (404) 752-9479  
Product: Gas  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type : Not Marked  
Pipe Material: Unknown  
  
Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 3  
Material: Marked Unknown  
Capacity: 2000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102  
1160 ALLENE AVE SW  
ATLANTA, GA 30310  
  
Owner County: Not reported  
Owner Phone (404) 752-9479  
Product: Gas  
Status: Installed  
Status Date: / /  
Pipe Type : Not Marked  
Pipe Material: Unknown  
  
Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 4  
Material: Marked Unknown  
Capacity: 1000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102  
1160 ALLENE AVE SW

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

HARMON BROTHERS CHARTER SERVICE (Continued)

U003006119

ATLANTA, GA 30310  
Owner County: Not reported  
Owner Phone (404) 752-9479  
Product: Kerosene  
Status: Installed  
Status Date: / /  
Pipe Type: Not Marked  
Pipe Material: Unknown  
  
Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 4  
Material: Marked Unknown  
Capacity: 1000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102  
1160 ALLENE AVE SW  
ATLANTA, GA 30310  
Owner County: Not reported  
Owner Phone (404) 752-9479  
Product: Kerosene  
Status: Currently In Use  
Status Date: / /  
Pipe Type: Not Marked  
Pipe Material: Unknown  
  
Facility ID: 9060535  
Total Tanks: 4  
Tank ID: 4  
Material: Marked Unknown  
Capacity: 1000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: HARMON BROTHERS CHARTER SERVICE  
Owner ID: 102  
1160 ALLENE AVE SW  
ATLANTA, GA 30310  
Owner County: Not reported  
Owner Phone (404) 752-9479  
Product: Kerosene  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type: Not Marked  
Pipe Material: Unknown

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

A3 HARMON BROTHERS CHARTER SERVICE  
SSE 1160 ALLENE AVE SW  
< 1/8 ATLANTA, GA 30310  
428 ft.

LUST S103907408  
N/A

Site 2 of 2 in cluster A

Relative:  
Lower

LUST:

Facility ID: 09060535  
Leak ID: 1  
Date Received: 1/7/1999  
Project Officer: Jones, F. Calvin  
Description: Confirmed Release Received

Actual:  
1028 ft.

B4 CHAMPION INTERNATIONAL CORP.  
West 840 WOODROW ST.  
< 1/8 ATLANTA, GA 30310  
553 ft.

GA NON-HSI 1002537201  
N/A

Site 1 of 3 in cluster B

Relative:  
Higher

Non-HSI:

Latitude/Longitude: Not reported  
Site Number: 357  
Ground Water Pathway Score: 6.5  
On-Site Pathway Score: 18.5  
Report Date: Sep-98  
Contaminants:

Actual:  
1041 ft.

B5 CHAMPION INTERNATIONAL CORP  
West 840 WOODROW ST  
< 1/8 ATLANTA, GA 30310  
553 ft.

RCRIS-SQG 1000688198  
FINDS GAD981282312  
LUST  
UST  
GA NON-HSI

Site 2 of 3 in cluster B

Relative:  
Higher

RCRIS:

Owner: CHAMPION INTER CORP  
(214) 871-8155  
EPA ID: GAD981282312  
Contact: MELINDA KEMP  
(203) 358-7353

Actual:  
1041 ft.

Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Georgia Environmental Information Management System  
Resource Conservation and Recovery Act Information system

LUST:

Facility ID: 09000160  
Leak ID: 1  
Date Received: 9/9/1988  
Project Officer: Wallace, Ronald J  
Description: Confirmed Release Received

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Non-HSI:

Latitude/Longitude: Not reported  
Site Number: 356  
Ground Water Pathway Score: 0.8  
On-Site Pathway Score: 7.2  
Report Date: Not reported  
Contaminants:

UST:

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 1A/FO  
Material: Steel  
Capacity: 10000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone: (513) 868-4261  
Product: Heating Oil  
Status: Installed  
Status Date: 04/20/73  
Pipe Type: Not Marked  
Pipe Material: Galvanized Steel

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 1A/FO  
Material: Steel  
Capacity: 10000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone: (513) 868-4261  
Product: Heating Oil  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type: Not Marked  
Pipe Material: Galvanized Steel

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 1A/FO  
Material: Steel  
Capacity: 10000.00  
Overfill Protection:

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Heating Oil  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type : Not Marked  
Pipe Material: Galvanized Steel

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 1B/FO  
Material: Steel  
Capacity: 10000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Heating Oil  
Status: Installed  
Status Date: 04/20/73  
Pipe Type : Not Marked  
Pipe Material: Galvanized Steel

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 1B/FO  
Material: Steel  
Capacity: 10000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Heating Oil  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type : Not Marked  
Pipe Material: Galvanized Steel

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 1B/FO  
Material: Steel  
Capacity: 10000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Heating Oil  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type : Not Marked  
Pipe Material: Galvanized Steel

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 2/FO  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Heating Oil  
Status: Installed  
Status Date: 04/19/76  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 2/FO  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Owner Phone: (513) 868-4261  
Product: Heating Oil  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 2/FO  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone: (513) 868-4261  
Product: Heating Oil  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: GARAGE  
Material: Steel  
Capacity: 6600.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone: (513) 868-4261  
Product: Diesel  
Status: Installed  
Status Date: 04/24/59  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: GARAGE  
Material: Steel  
Capacity: 6600.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHAMPION INTERNATIONAL CORP (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000688198

Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Diesel  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: GARAGE  
Material: Steel  
Capacity: 6600.00

Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Diesel  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 1  
Material: Steel  
Capacity: 20000.00

Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Installed  
Status Date: 04/23/60  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Tank ID: 1  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type : Not Marked  
Pipe Material: Unknown  
Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 1  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type : Not Marked  
Pipe Material: Unknown  
Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 2  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Installed

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Status Date: 04/23/60  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 2  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:

Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 2  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:

Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 3  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:

Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Installed  
Status Date: 04/23/60  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 3  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 3  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 4  
Material: Steel  
Capacity: 20000.00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Installed  
Status Date: 04/23/60  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 4  
Material: Steel  
Capacity: 20000.00

Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 4  
Material: Steel  
Capacity: 20000.00

Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type : Not Marked  
Pipe Material: Unknown

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 5  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Installed  
Status Date: 04/23/60  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 5  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 5  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Owner Phone: (513) 868-4261  
Product: Hazardous Substance  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 6  
Material: Steel  
Capacity: 2000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone: (513) 868-4261  
Product: Hazardous Substance  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 6  
Material: Steel  
Capacity: 2000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone: (513) 868-4261  
Product: Hazardous Substance  
Status: Installed  
Status Date: 04/23/60  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 6  
Material: Steel  
Capacity: 2000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone: (513) 868-4261  
Product: Hazardous Substance  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 7  
Material: Steel  
Capacity: 4000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone: (513) 868-4261  
Product: Hazardous Substance  
Status: Installed  
Status Date: 04/20/72  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 7  
Material: Steel  
Capacity: 4000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone: (513) 868-4261  
Product: Hazardous Substance  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Tank ID: 7  
Material: Steel  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 8  
Material: Steel  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Installed  
Status Date: 04/20/72  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 8  
Material: Steel  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Removed From Ground

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHAMPION INTERNATIONAL CORP (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000688198

Status Date: 05/15/87  
Pipe Type : Not Marked  
Pipe Material: Unknown  
  
Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 8  
Material: Steel  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 9  
Material: Steel  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020

Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Installed  
Status Date: 04/20/72  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 9  
Material: Steel  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type: Not Marked  
Pipe Material: Unknown  
  
Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 9  
Material: Steel  
Capacity: 4000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type: Not Marked  
Pipe Material: Unknown  
  
Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 10  
Material: Steel  
Capacity: 2000.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Installed  
Status Date: 04/23/60  
Pipe Type: Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 10  
Material: Steel  
Capacity: 2000.00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 10  
Material: Steel  
Capacity: 2000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Hazardous Substance  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 3/FO  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935  
KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Heating Oil  
Status: Installed  
Status Date: 04/19/76  
Pipe Type : Not Marked  
Pipe Material: Unknown

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CHAMPION INTERNATIONAL CORP (Continued)

1000688198

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 3/FO  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Heating Oil  
Status: Removed From Ground  
Status Date: 05/15/87  
Pipe Type : Not Marked  
Pipe Material: Unknown

Facility ID: 9000160  
Total Tanks: 15  
Tank ID: 3/FO  
Material: Steel  
Capacity: 20000.00  
Overfill Protection:  
Spill Date : Not reported  
Overfill Installed : Not reported  
Tank Exempt From Spill : Not reported  
Owner: CHAMPION INTERNATIONAL CORP  
Owner ID: 6935

KNIGHTSBRIDGE  
HAMILTON, OH 45020  
Owner County: Not reported  
Owner Phone (513) 868-4261  
Product: Heating Oil  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type : Not Marked  
Pipe Material: Unknown

B6  
West  
< 1/8  
553 ft.

CADILLAC PRODUCTS  
840 WOODROW ST SW  
ATLANTA, GA 30310

Relative:  
Higher

Site 3 of 3 in cluster B

Actual:  
1041 ft.

RCRIS-SQG 1000254402  
FINDS GAD075867564

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CADILLAC PRODUCTS (Continued)

1000254402

RCRIS

Owner: CADILLAC PRODUCTS INC  
(313) 583-1525  
EPA ID: GAD075867564  
Contact: ROBERT DAVIS  
(404) 753-2999

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 262.34(a)(3)  
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS  
Date Violation Determined: 07/16/1993  
Actual Date Achieved Compliance: 12/03/1993

Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 06/22/1993  
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported

Regulation Violated: 262.34(a)(4)  
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS  
Date Violation Determined: 07/16/1993  
Actual Date Achieved Compliance: 12/03/1993

Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 06/22/1993  
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported

Regulation Violated: 262.34 (a)(4)  
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS  
Date Violation Determined: 07/16/1993  
Actual Date Achieved Compliance: 12/03/1993

Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 06/22/1993  
Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported

Regulation Violated: 268(a)(7)  
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS  
Date Violation Determined: 07/16/1993  
Actual Date Achieved Compliance: 12/03/1993

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported

Regulation Violated: 262.34(c)(2)  
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS  
Date Violation Determined: 07/16/1993

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

CADILLAC PRODUCTS (Continued)

1000254402

Actual Date Achieved Compliance: 12/03/1993  
Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 06/22/1993  
Penalty Type: Not reported  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported  
Regulation Violated: 262.34(c)(1)  
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS  
Date Violation Determined: 07/16/1993  
Actual Date Achieved Compliance: 12/03/1993  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported  
Regulation Violated: 262.11  
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS  
Date Violation Determined: 07/16/1993  
Actual Date Achieved Compliance: 12/03/1993  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported  
Regulation Violated: 262.34(c)(1)(ii)  
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS  
Date Violation Determined: 07/16/1993  
Actual Date Achieved Compliance: 12/03/1993  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported  
Regulation Violated: 262.34(a)(2) Accutlation  
Area of Violation: TSD-CONTAINERS REQUIREMENTS  
Date Violation Determined: 06/22/1993  
Actual Date Achieved Compliance: 12/03/1993  
Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 06/22/1993  
Penalty Type: Not reported  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported  
Regulation Violated: 262.34(a)(3) labeling  
Area of Violation: TSD-CONTAINERS REQUIREMENTS  
Date Violation Determined: 06/22/1993  
Actual Date Achieved Compliance: 12/03/1993  
Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 06/22/1993  
Penalty Type: Not reported  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported  
Regulation Violated: 265.52(d)  
Area of Violation: TSD-CONTINGENCY PLAN REQUIREMENTS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

CADILLAC PRODUCTS (Continued)

1000254402

Date Violation Determined: 06/22/1993  
Actual Date Achieved Compliance: 12/03/1993  
  
Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 06/22/1993  
Penalty Type: Not reported  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported  
  
Regulation Violated: 265.52(d) emergency coordin.  
Area of Violation: TSD-CONTINGENCY PLAN REQUIREMENTS  
Date Violation Determined: 06/22/1993  
Actual Date Achieved Compliance: 12/03/1993  
  
Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL  
Enforcement Action Date: 06/22/1993  
Penalty Type: Not reported  
  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 09/22/1993  
Penalty Type: Not reported

There are 12 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	TSD-CONTAINERS REQUIREMENTS	19931203
	TSD-CONTAINERS REQUIREMENTS	19931203
	TSD-CONTINGENCY PLAN REQUIREMENTS	19931203
	TSD-CONTINGENCY PLAN REQUIREMENTS	19931203
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19931203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19931203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19931203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19931203
	GENERATOR-LAND BAN REQUIREMENTS	19931203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19931203
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19931203
	GENERATOR-RECORDKEEPING REQUIREMENTS	19931203

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Aerometric Information Retrieval System/AIRS Facility Subsystem  
Integrated Compliance Information  
Resource Conservation and Recovery Act Information system

7  
South  
1/8-1/4  
715 ft.  
  
SPRINT COMMUNICATIONS COMPANY LP  
1190 ALLENE AVE  
ATLANTA, GA 30310

FINDS 1006784974  
UST 110013543638

Relative:  
Lower

FINDS:  
Other Pertinent Environmental Activity Identified at Site:  
Georgia Environmental Information Management System

Actual:  
1028 ft.

UST:  
Facility ID: 9060043  
Total Tanks: 2  
Tank ID: 1  
Material: Fiberglass  
Capacity: 6000.00  
Overfill Protection:

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

SPRINT COMMUNICATIONS COMPANY LP (Continued)

1006784974

Spill Date : 10/07/88  
Overfill Installed : 10/07/88  
Tank Exempt From Spill : Not reported  
Owner: SPRINT COMMUNICATIONS CO  
Owner ID: 6618  
555 LAKE BORDER DRIVE FLAPKA0206  
APOPKA, FL 32703  
Owner County: Not reported  
Owner Phone (407) 889-1531  
Product: Diesel  
Status: Installed  
Status Date: 01/01/86  
Pipe Type : Suction: Valve At The Tank  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 9060043  
Total Tanks: 2  
Tank ID: 1  
Material: Fiberglass  
Capacity: 6000.00  
Overfill Protection:  
Spill Date : 10/07/88  
Overfill Installed : 10/07/88  
Tank Exempt From Spill : Not reported  
Owner: SPRINT COMMUNICATIONS CO  
Owner ID: 6618  
555 LAKE BORDER DRIVE FLAPKA0206  
APOPKA, FL 32703  
Owner County: Not reported  
Owner Phone (407) 889-1531  
Product: Diesel  
Status: Currently In Use  
Status Date: / /  
Pipe Type : Suction: Valve At The Tank  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 9060043  
Total Tanks: 2  
Tank ID: 1  
Material: Fiberglass  
Capacity: 6000.00  
Overfill Protection:  
Spill Date : 10/07/88  
Overfill Installed : 10/07/88  
Tank Exempt From Spill : Not reported  
Owner: SPRINT COMMUNICATIONS CO  
Owner ID: 6618  
555 LAKE BORDER DRIVE FLAPKA0206  
APOPKA, FL 32703  
Owner County: Not reported  
Owner Phone (407) 889-1531  
Product: Diesel  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type : Suction: Valve At The Tank  
Pipe Material: Fiberglass Reinforced Plastic

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SPRINT COMMUNICATIONS COMPANY LP (Continued)

1006784974

Facility ID: 9060043  
Total Tanks: 2  
Tank ID: 2  
Material: Double Walled  
Capacity: 10000.00  
Overfill Protection:  
Spill Date : 10/12/00  
Overfill Installed : 10/12/00  
Tank Exempt From Spill : Not reported  
Owner: SPRINT COMMUNICATIONS CO  
Owner ID: 6618  
555 LAKE BORDER DRIVE FLAPKA0206  
APOPKA, FL 32703  
Owner County: Not reported  
Owner Phone (407) 889-1531  
Product: Diesel  
Status: Installed  
Status Date: 10/05/00  
Pipe Type : Suction: Valve At The Tank  
Pipe Material: Double Walled

Facility ID: 9060043  
Total Tanks: 2  
Tank ID: 2  
Material: Double Walled  
Capacity: 10000.00  
Overfill Protection:  
Spill Date : 10/12/00  
Overfill Installed : 10/12/00  
Tank Exempt From Spill : Not reported  
Owner: SPRINT COMMUNICATIONS CO  
Owner ID: 6618  
555 LAKE BORDER DRIVE FLAPKA0206  
APOPKA, FL 32703  
Owner County: Not reported  
Owner Phone (407) 889-1531  
Product: Diesel  
Status: Currently In Use  
Status Date: / /  
Pipe Type : Suction: Valve At The Tank  
Pipe Material: Double Walled

Facility ID: 9060043  
Total Tanks: 2  
Tank ID: 2  
Material: Double Walled  
Capacity: 10000.00  
Overfill Protection:  
Spill Date : 10/12/00  
Overfill Installed : 10/12/00  
Tank Exempt From Spill : Not reported  
Owner: SPRINT COMMUNICATIONS CO  
Owner ID: 6618  
555 LAKE BORDER DRIVE FLAPKA0206  
APOPKA, FL 32703  
Owner County: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

SPRINT COMMUNICATIONS COMPANY LP (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006784974

Owner Phone (407) 889-1531  
Product: Diesel  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type : Suction: Valve At The Tank  
Pipe Material: Double Walled

C8  
SSE  
1/8-1/4  
835 ft.

CAB LIFT ATLANTA  
1210 ALLENE AVE SW  
ATLANTA, GA 30310

RCRIS-SQG 1000122207  
FINDS GAD981249246

Site 1 of 2 in cluster C

Relative:  
Lower

RCRIS:

Owner: SAMAHA FRANK  
(404) 555-1212  
EPA ID: GAD981249246  
Contact: FRANK SAMAHA  
(404) 753-5215

Actual:  
1023 ft.

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Resource Conservation and Recovery Act Information system

C9  
SSE  
1/8-1/4  
889 ft.

ESB INC  
1214 ALLENE AVE SW  
ATLANTA, GA 30310

CERCLIS 1000118762  
RCRIS-SQG GAD078105749  
FINDS

Site 2 of 2 in cluster C

Relative:  
Lower

CERCLIS Classification Data:

Site incident category: Not reported

Federal Facility: Not a Federal Facility

Actual:  
1022 ft.

Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Ownership Status: Other

NPL Status: Not on the NPL

Contact: Beth Brown

Contact Tel: (404) 562-8814

Contact Title: Not reported

Contact: RANDALL CHAFFINS

Contact Tel: (404) 562-8929

Contact Title: Not reported

Contact: BARBARA DICK

Contact Tel: (404) 562-8923

Contact Title: Not reported

Contact: Brian Farrier

Contact Tel: (404) 562-8952

Contact Title: Not reported

Contact: Ralph Howard

Contact Tel: (404) 562-8829

Contact Title: Not reported

Contact: William Joyner

Contact Tel: (404) 562-8795

Contact Title: Not reported

Contact: Carol Monell

Contact Tel: (404) 562-8719

Contact Title: Not reported

Contact: Mike Norman

Contact Tel: (404) 562-8792

Contact Title: Not reported

Contact: TERRY TANNER

Contact Tel: (404) 562-8797

Contact Title: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ESB INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000118762

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	08/01/1980
Assessment:	PRELIMINARY ASSESSMENT	Completed:	09/17/1985
Assessment:	SITE INSPECTION	Completed:	05/06/1991
Assessment:	INTEGRATED ASSESSMENT	Completed:	08/27/1993
Assessment:	SITE REASSESSMENT	Completed:	02/04/2002
Assessment:	ADMIN ORDER ON CONSENT	Completed:	11/07/2003
Assessment:	ADMINISTRATIVE RECORDS	Completed:	04/29/2004

CERCLIS Site Status:

Not reported

CERCLIS Alias Name(s):

EXIDE, INC.

RCRIS:

Owner: EXIDE CORPORATION INC  
(866) 289-0645

EPA ID: GAD078105749

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator

TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	262.11
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	02/04/1999
Actual Date Achieved Compliance:	03/23/2000
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/08/1999
Penalty Type:	Not reported
Enforcement Action:	PROPOSED CONSENT ORDER
Enforcement Action Date:	09/03/1999
Penalty Type:	Not reported
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	02/04/2000
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	01/22/1985
Actual Date Achieved Compliance:	04/19/1985
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/18/1985
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/08/1984
Actual Date Achieved Compliance:	01/17/1985
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/04/1984
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	06/06/1984
Actual Date Achieved Compliance:	01/17/1985

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ESB INC (Continued)

1000118762

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 05/25/1984  
Actual Date Achieved Compliance: 01/17/1985

There are 5 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20000323
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850419
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850117
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850117
Sampling Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850117

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Aerometric Information Retrieval System/AIRS Facility Subsystem  
Comprehensive Environmental Response, Compensation and Liability Information System  
Resource Conservation and Recovery Act Information system

D10  
West  
1/8-1/4  
1264 ft.

SUPERIOR ASSOCIATES  
1135 SYLVAN RD.  
ATLANTA, GA 30305

GA NON-HSI S104819468  
N/A

Site 1 of 2 in cluster D

Relative:  
Higher

Actual:  
1035 ft.

Non-HSI:  
Latitude/Longitude: 33.72 / -84.42  
Site Number: 477  
Ground Water Pathway Score: 6.5  
On-Site Pathway Score: 0  
Report Date: Not reported  
Contaminants:

D11  
West  
1/8-1/4  
1264 ft.

SUPERIOR SEALANTS  
1135-9 SYLVAN RD  
ATLANTA, GA 30310

CERCLIS 1000408299  
RCRIS-SQG GAD033534470

Site 2 of 2 in cluster D

Relative:  
Higher

Actual:  
1035 ft.

CERCLIS Classification Data:

Site incident category: Not reported  
Non NPL Status: NFRAP  
Ownership Status: Other  
Contact: Beth Brown  
Contact Title: Not reported  
Contact: RANDALL CHAFFINS  
Contact Title: Not reported  
Contact: BARBARA DICK  
Contact Title: Not reported  
Contact: Brian Farrier  
Contact Title: Not reported  
Contact: Ralph Howard  
Contact Title: Not reported  
Contact: William Joyner  
Contact Title: Not reported  
Contact: Carol Monell  
Contact Title: Not reported

Federal Facility: Not a Federal Facility

NPL Status: Not on the NPL  
Contact Tel: (404) 562-8814  
Contact Tel: (404) 562-8929  
Contact Tel: (404) 562-8923  
Contact Tel: (404) 562-8952  
Contact Tel: (404) 562-8829  
Contact Tel: (404) 562-8795  
Contact Tel: (404) 562-8719

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

SUPERIOR SEALANTS (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000408299

Contact: TONY MOORE  
Contact Title: Not reported  
Contact: Mike Norman  
Contact Title: Not reported  
Contact: TERRY TANNER  
Contact Title: Not reported

Contact Tel: (404) 562-8756  
Contact Tel: (404) 562-8792  
Contact Tel: (404) 562-8797

CERCLIS Assessment History:

Assessment: DISCOVERY  
Assessment: PRELIMINARY ASSESSMENT  
Assessment: PRP EMERGENCY REMOVAL

Completed: 08/01/1980  
Completed: 09/17/1985  
Completed: 11/07/2001

CERCLIS Site Status:

Cleaned up

CERCLIS Alias Name(s):

SOUTHERN PROTECTIVE PRODUCTS CO  
SOUTHERN PROTECTIVE PRODUCTS CO

RCRIS:

Owner: Not reported  
EPA ID: GAD033534470  
Contact: SHAW PAINTER  
(404) 758-2611

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

12  
WNW  
1/4-1/2  
1532 ft.

BERNSTEIN SCRAP METAL (FORMER)  
1006 MURPHY AVENUE  
ATLANTA, GA 30310

GA NON-HSI S105174686  
N/A

Relative:  
Higher

Non-HSI:  
Latitude/Longitude: Not reported  
Site Number: Not reported  
Ground Water Pathway Score: 8.13  
On-Site Pathway Score: 0.00  
Report Date: Oct-01  
Contaminants: lead

Actual:  
1043 ft.

13  
East  
1/4-1/2  
1853 ft.

BP #20338  
1163 METROPOLITAN PKWY  
ATLANTA, GA 30310

LUST S105587521  
N/A

Relative:  
Lower

LUST:  
Facility ID: 00601089  
Leak ID: 1  
Date Received: 5/2/2000  
Project Officer: Muhanna,Shaheer L  
Description: Suspected Release Received

Actual:  
990 ft.

Facility ID: 00601089  
Leak ID: 2  
Date Received: 3/12/2003  
Project Officer: Brown,James W  
Description: Suspected Release Received

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

BP #20338 (Continued)

S105587521

Facility ID: 00601089  
Leak ID: 3  
Date Received: 6/25/2003  
Project Officer: Brown, James W  
Description: Suspected Release Received

Facility ID: 00601089  
Leak ID: 4  
Date Received: 9/8/2003  
Project Officer: Brown, James W  
Description: Suspected Release Received

Facility ID: 00601089  
Leak ID: 5  
Date Received: 11/18/2003  
Project Officer: Talley, Carla M  
Description: Confirmed Release Received

14  
NNW  
1/4-1/2  
2006 ft.

THE RIGHT STUFF STORE #80/STARVI  
923 LEE ST  
ATLANTA, GA 30310

LUST U003002442  
UST N/A

Relative:  
Higher

LUST:  
Facility ID: 00601121  
Leak ID: 1  
Date Received: 5/22/1996  
Project Officer: Li, Yonghong June  
Description: Confirmed Release Received

Actual:  
1047 ft.

UST:  
Facility ID: 601121  
Total Tanks: 5  
Tank ID: 1  
Material: Composite  
Capacity: 10000.00  
Overfill Protection:  
Spill Date: 10/01/93  
Overfill Installed: 10/01/93  
Tank Exempt From Spill: Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone: 404-257-8822  
Product: Gas  
Status: Installed  
Status Date: 12/01/85  
Pipe Type: Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 601121  
Total Tanks: 5  
Tank ID: 1  
Material: Composite  
Capacity: 10000.00  
Overfill Protection:

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

THE RIGHT STUFF STORE #80/STARVI (Continued)

U003002442

Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Gas  
Status: Currently In Use  
Status Date: 12/01/85  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 601121  
Total Tanks: 5  
Tank ID: 1  
Material: Composite  
Capacity: 10000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Gas  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 601121  
Total Tanks: 5  
Tank ID: 2  
Material: Composite  
Capacity: 10000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Gas  
Status: Installed  
Status Date: 12/01/85  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

THE RIGHT STUFF STORE #80/STARVI (Continued)

U003002442

Facility ID: 601121  
Total Tanks: 5  
Tank ID: 2  
Material: Composite  
Capacity: 10000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Gas  
Status: Currently In Use  
Status Date: 12/01/85  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 601121  
Total Tanks: 5  
Tank ID: 2  
Material: Composite  
Capacity: 10000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Gas  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 601121  
Total Tanks: 5  
Tank ID: 3  
Material: Composite  
Capacity: 8000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
Owner County: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

THE RIGHT STUFF STORE #80/STARVI (Continued)

U003002442

Owner Phone 404-257-8822  
Product: Gas  
Status: Currently In Use  
Status Date: 12/01/85  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic  
  
Facility ID: 601121  
Total Tanks: 5  
Tank ID: 3  
Material: Composite  
Capacity: 8000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328

Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Gas  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 601121  
Total Tanks: 5  
Tank ID: 3  
Material: Composite  
Capacity: 8000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328

Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Gas  
Status: Installed  
Status Date: 12/01/85  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 601121  
Total Tanks: 5  
Tank ID: 4  
Material: Composite  
Capacity: 8000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

THE RIGHT STUFF STORE #80/STARVI (Continued)

U003002442

Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Diesel  
Status: Installed  
Status Date: 12/01/85  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 601121  
Total Tanks: 5  
Tank ID: 4  
Material: Composite  
Capacity: 8000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547

5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328

Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Diesel  
Status: Currently In Use  
Status Date: 12/01/85  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 601121  
Total Tanks: 5  
Tank ID: 4  
Material: Composite  
Capacity: 8000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547

5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328

Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Diesel  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic

Facility ID: 601121  
Total Tanks: 5

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

THE RIGHT STUFF STORE #80/STARVI (Continued)

U003002442

Tank ID: 5  
Material: Composite  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
  
Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Kerosene  
Status: Installed  
Status Date: 12/01/85  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic  
  
Facility ID: 601121  
Total Tanks: 5  
Tank ID: 5  
Material: Composite  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
  
Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Kerosene  
Status: Currently In Use  
Status Date: 12/01/85  
Pipe Type : Pressure  
Pipe Material: Fiberglass Reinforced Plastic  
  
Facility ID: 601121  
Total Tanks: 5  
Tank ID: 5  
Material: Composite  
Capacity: 4000.00  
Overfill Protection:  
Spill Date : 10/01/93  
Overfill Installed : 10/01/93  
Tank Exempt From Spill : Not reported  
Owner: THE RIGHT STUFF FOOD STORES INC  
Owner ID: 2547  
5871 GLENRIDGE DRIVE SUITE 110  
ATLANTA, GA 30328  
  
Owner County: Not reported  
Owner Phone 404-257-8822  
Product: Kerosene  
Status: Upgrade Repair Not Marked

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

THE RIGHT STUFF STORE #80/STARVI (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U003002442

Status Date: Not reported  
Pipe Type: Pressure  
Pipe Material: Fiberglass Reinforced Plastic

15  
WSW  
1/4-1/2  
2037 ft.

RECYCLING INDUSTRIES OF ATLANTA, IN  
972 AVON AVE  
ATLANTA, GA 30310

GA NON-HSI S105872230  
N/A

Relative:  
Equal

Non-HSI:  
Latitude/Longitude: 33.721600 / 84.420500  
Site Number: 467  
Ground Water Pathway Score: 4.07  
On-Site Pathway Score: 0.00  
Report Date: Feb-99  
Contaminants:

Actual:  
1031 ft.

16  
NNW  
1/4-1/2  
2172 ft.

ALTERMAN COLD STORAGE  
933 LEE STREET  
ATLANTA, GA 30310

LUST U003763360  
UST N/A

Relative:  
Higher

LUST:  
Facility ID: 09060811  
Leak ID: 1  
Date Received: 1/25/2000  
Project Officer: Jones, F. Calvin  
Description: Confirmed Release Received

Actual:  
1035 ft.

UST:  
Facility ID: 9060811  
Total Tanks: 3  
Tank ID: 1  
Material: Cathodically Protected Steel  
Capacity: 8000.00  
Overfill Protection:  
Spill Date: / /  
Overfill Installed: / /  
Tank Exempt From Spill: Not reported  
Owner: ALTERMAN COLD STORAGE  
Owner ID: 648  
6095 LAKE FORREST DRIVE SUITE 150  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone: (404) 255-8881  
Product: Diesel  
Status: Installed  
Status Date: / /  
Pipe Type: Suction: No Valve At The Tank  
Pipe Material: Galvanized Steel

Facility ID: 9060811  
Total Tanks: 3  
Tank ID: 1  
Material: Cathodically Protected Steel  
Capacity: 8000.00  
Overfill Protection:  
Spill Date: / /  
Overfill Installed: / /

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ALTERMAN COLD STORAGE (Continued)

U003763360

Tank Exempt From Spill : Not reported  
Owner: ALTERMAN COLD STORAGE  
Owner ID: 648  
6095 LAKE FORREST DRIVE SUITE 150  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone (404) 255-8881  
Product: Diesel  
Status: Removed From Ground  
Status Date: 10/01/99  
Pipe Type : Suction: No Valve At The Tank  
Pipe Material: Galvanized Steel

Facility ID: 9060811  
Total Tanks: 3  
Tank ID: 1  
Material: Cathodically Protected Steel  
Capacity: 8000.00  
Overfill Protection:  
Spill Date : / /  
Overfill Installed : / /  
Tank Exempt From Spill : Not reported  
Owner: ALTERMAN COLD STORAGE  
Owner ID: 648

6095 LAKE FORREST DRIVE SUITE 150  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone (404) 255-8881  
Product: Diesel  
Status: Upgrade Repair Not Marked  
Status Date: 02/18/00  
Pipe Type : Suction: No Valve At The Tank  
Pipe Material: Galvanized Steel

Facility ID: 9060811  
Total Tanks: 3  
Tank ID: 2  
Material: Cathodically Protected Steel  
Capacity: 8000.00  
Overfill Protection:  
Spill Date : / /  
Overfill Installed : / /  
Tank Exempt From Spill : Not reported  
Owner: ALTERMAN COLD STORAGE  
Owner ID: 648

6095 LAKE FORREST DRIVE SUITE 150  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone (404) 255-8881  
Product: Gas  
Status: Installed  
Status Date: / /  
Pipe Type : Suction: No Valve At The Tank  
Pipe Material: Galvanized Steel

Facility ID: 9060811  
Total Tanks: 3

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

ALTERMAN COLD STORAGE (Continued)

U003763360

Tank ID: 2  
Material: Cathodically Protected Steel  
Capacity: 8000.00  
Overfill Protection:  
Spill Date : / /  
Overfill Installed : / /  
Tank Exempt From Spill : Not reported  
Owner: ALTERMAN COLD STORAGE  
Owner ID: 648  
6095 LAKE FORREST DRIVE SUITE 150  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone (404) 255-8881  
Product: Gas  
Status: Removed From Ground  
Status Date: 10/01/99  
Pipe Type : Suction: No Valve At The Tank  
Pipe Material: Galvanized Steel

Facility ID: 9060811  
Total Tanks: 3  
Tank ID: 2  
Material: Cathodically Protected Steel  
Capacity: 8000.00  
Overfill Protection:  
Spill Date : / /  
Overfill Installed : / /  
Tank Exempt From Spill : Not reported  
Owner: ALTERMAN COLD STORAGE  
Owner ID: 648  
6095 LAKE FORREST DRIVE SUITE 150  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone (404) 255-8881  
Product: Gas  
Status: Upgrade Repair Not Marked  
Status Date: 02/18/00  
Pipe Type : Suction: No Valve At The Tank  
Pipe Material: Galvanized Steel

Facility ID: 9060811  
Total Tanks: 3  
Tank ID: 3  
Material: Cathodically Protected Steel  
Capacity: 6000.00  
Overfill Protection:  
Spill Date : / /  
Overfill Installed : / /  
Tank Exempt From Spill : Not reported  
Owner: ALTERMAN COLD STORAGE  
Owner ID: 648  
6095 LAKE FORREST DRIVE SUITE 150  
ATLANTA, GA 30328  
Owner County: Not reported  
Owner Phone (404) 255-8881  
Product: Gas  
Status: Installed

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ALTERMAN COLD STORAGE (Continued)

U003763360

Status Date: / /  
Pipe Type : Suction: No Valve At The Tank  
Pipe Material: Galvanized Steel  
  
Facility ID: 9060811  
Total Tanks: 3  
Tank ID: 3  
Material: Cathodically Protected Steel  
Capacity: 6000.00  
Overfill Protection:  
Spill Date : / /  
Overfill Installed : / /  
Tank Exempt From Spill : Not reported  
Owner: ALTERMAN COLD STORAGE  
Owner ID: 648  
6095 LAKE FORREST DRIVE SUITE 150  
ATLANTA, GA 30328  
  
Owner County: Not reported  
Owner Phone (404) 255-8881  
Product: Gas  
Status: Removed From Ground  
Status Date: 10/01/99  
Pipe Type : Suction: No Valve At The Tank  
Pipe Material: Galvanized Steel  
  
Facility ID: 9060811  
Total Tanks: 3  
Tank ID: 3  
Material: Cathodically Protected Steel  
Capacity: 6000.00  
Overfill Protection:  
Spill Date : / /  
Overfill Installed : / /  
Tank Exempt From Spill : Not reported  
Owner: ALTERMAN COLD STORAGE  
Owner ID: 648  
6095 LAKE FORREST DRIVE SUITE 150  
ATLANTA, GA 30328  
  
Owner County: Not reported  
Owner Phone (404) 255-8881  
Product: Gas  
Status: Upgrade Repair Not Marked  
Status Date: 02/18/00  
Pipe Type : Suction: No Valve At The Tank  
Pipe Material: Galvanized Steel

17  
West  
1/4-1/2  
2268 ft.

GA BLDG AUTH WAREHOUSE/DEPT AD S  
1150 MURPHY AVE  
ATLANTA, GA 30334

LUST U001920478  
UST N/A

Relative:  
Higher

LUST:  
Facility ID: 09060359  
Leak ID: 1  
Date Received: 8/25/1994  
Project Officer: Heard, Tracey  
Description: Confirmed Release Received

Actual:  
1041 ft.

UST:

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

GA BLDG AUTH WAREHOUSE/DEPT AD S (Continued)

U001920478

Facility ID: 9060359  
Total Tanks: 1  
Tank ID: 1  
Material: Steel  
Capacity: 500.00  
Overfill Protection:  
Spill Date : / /  
Overfill Installed : / /  
Tank Exempt From Spill : Not reported  
Owner: GEORGIA BUILDING AUTHORITY  
Owner ID: 690  
1 MLK JR DR  
ATLANTA, GA 30334  
Owner County: Not reported  
Owner Phone 404-656-6614  
Product: Gas  
Status: Installed  
Status Date: / /  
Pipe Type : Suction: No Valve At The Tank  
Pipe Material: Bare Steel

Facility ID: 9060359  
Total Tanks: 1  
Tank ID: 1  
Material: Steel  
Capacity: 500.00  
Overfill Protection:  
Spill Date : / /  
Overfill Installed : / /  
Tank Exempt From Spill : Not reported  
Owner: GEORGIA BUILDING AUTHORITY  
Owner ID: 690  
1 MLK JR DR  
ATLANTA, GA 30334  
Owner County: Not reported  
Owner Phone 404-656-6614  
Product: Gas  
Status: Removed From Ground  
Status Date: 08/08/94  
Pipe Type : Suction: No Valve At The Tank  
Pipe Material: Bare Steel

Facility ID: 9060359  
Total Tanks: 1  
Tank ID: 1  
Material: Steel  
Capacity: 500.00  
Overfill Protection:  
Spill Date : / /  
Overfill Installed : / /  
Tank Exempt From Spill : Not reported  
Owner: GEORGIA BUILDING AUTHORITY  
Owner ID: 690  
1 MLK JR DR  
ATLANTA, GA 30334  
Owner County: Not reported  
Owner Phone 404-656-6614

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number  
EPA ID Number

GA BLDG AUTH WAREHOUSE/DEPT AD S (Continued)

U001920478

Product: Gas  
Status: Upgrade Repair Not Marked  
Status Date: / /  
Pipe Type: Suction: No Valve At The Tank  
Pipe Material: Bare Steel

18  
West  
1/4-1/2  
2287 ft.

DOC'S AUTO REPAIR  
1131 LEE ST  
ATLANTA, GA 30310

LUST U001491552  
UST N/A

Relative:  
Higher

LUST:  
Facility ID: 09060281  
Leak ID: 1  
Date Received: 6/24/2004  
Project Officer: Jones, F. Calvin  
Description: Confirmed Release Received

Actual:  
1042 ft.

UST:  
Facility ID: 9060281  
Total Tanks: 1  
Tank ID: DUMMY  
Material: Not Marked/Unknown  
Capacity: 0.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: JOHN MCMANN  
Owner ID: 10347  
3904 SUE LANE  
DECATUR, GA 30035  
Owner County: Not reported  
Owner Phone: (404) 288-4976  
Product: Gas  
Status: Installed  
Status Date: Not reported  
Pipe Type: Not Marked  
Pipe Material: Not Marked

Facility ID: 9060281  
Total Tanks: 1  
Tank ID: DUMMY  
Material: Not Marked/Unknown  
Capacity: 0.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: JOHN MCMANN  
Owner ID: 10347  
3904 SUE LANE  
DECATUR, GA 30035  
Owner County: Not reported  
Owner Phone: (404) 288-4976  
Product: Gas  
Status: Permanently Out Of Use  
Status Date: Not reported  
Pipe Type: Not Marked

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

DOC'S AUTO REPAIR (Continued)

U001491552

Pipe Material: Not Marked

Facility ID: 9060281  
Total Tanks: 1  
Tank ID: DUMMY  
Material: Not Marked/Unknown  
Capacity: 0.00  
Overfill Protection:  
Spill Date: Not reported  
Overfill Installed: Not reported  
Tank Exempt From Spill: Not reported  
Owner: JOHN MCMANN  
Owner ID: 10347  
3904 SUE LANE  
DECATUR, GA 30035

Owner County: Not reported  
Owner Phone: (404) 288-4976  
Product: Gas  
Status: Upgrade Repair Not Marked  
Status Date: Not reported  
Pipe Type: Not Marked  
Pipe Material: Not Marked

19  
North  
1/4-1/2  
2316 ft.

FORMER LEE STREET STATION  
889 LEE STREET  
ATLANTA, GA 30310

LUST S105587661  
N/A

Relative:  
Higher

LUST:  
Facility ID: 10000114  
Leak ID: 1  
Date Received: 8/21/2002  
Project Officer: Wallace, Ronald J  
Description: Confirmed Release Received

Actual:  
1053 ft.

20  
WSW  
1/2-1  
3506 ft.

MCGEAN-ROHCO, INC.  
1314 MURPHY AVENUE, SW  
ATLANTA, GA 30310

GA NON-HSI S105037302  
N/A

Relative:  
Higher

Non-HSI:  
Latitude/Longitude: Not reported  
Site Number: Not reported  
Ground Water Pathway Score: 6.50  
On-Site Pathway Score: 14.81  
Report Date: Mar-01  
Contaminants: benzene, xylenes

Actual:  
1035 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

21  
NE  
1/2-1  
4782 ft.  
PITTSBURGH CIVIC LEAGUE APARTMENTS  
455 ROCKWELL STREET  
ATLANTA, GA 30310

GA NON-HSI  
S105707709  
N/A

Relative: Non-HSI:  
Lower  
Latitude/Longitude: 33.732778 / 84.402778  
Site Number: Not reported  
Actual: Ground Water Pathway Score: 6.50  
978 ft. On-Site Pathway Score: 19.75  
Report Date: Oct-02  
Contaminants: tetrachloroethene

22  
North  
1/2-1  
5040 ft.  
V.T. USED TIRES  
715 WEST WHITEHALL STREET  
ATLANTA, GA 30310

GA NON-HSI  
S105174723  
N/A

Relative: Non-HSI:  
Higher  
Latitude/Longitude: 33.740833 / 84.412500  
Site Number: Not reported  
Actual: Ground Water Pathway Score: 8.13  
1047 ft. On-Site Pathway Score: 13.89  
Report Date: Sep-01  
Contaminants:

23  
NNE  
1/2-1  
5198 ft.  
J & B SMITH COMPANY INCORPORATED  
690 HUMPHRIES ST SW  
ATLANTA, GA 30310

RCRIS-SQG 1000131943  
FINDS GAD003298668  
GA NON-HSI  
CERC-NFRAP

Relative: CERCLIS-NFRAP Classification Data:  
Lower  
Site Incident Category: Not reported  
Non NPL Code: NFRAP  
Ownership Status: Other  
Actual: CERCLIS-NFRAP Assessment History:  
993 ft. Assessment: DISCOVERY  
Assessment: PRELIMINARY ASSESSMENT  
Assessment: ARCHIVE SITE  
CERCLIS-NFRAP Alias Name(s):  
J&B SMITH CO INC

Federal Facility: Not a Federal Facility

NPL Status: Not on the NPL

Completed: 08/01/1980

Completed: 09/17/1985

Completed: 09/17/1985

RCRIS:

Owner: Not reported  
EPA ID: GAD003298668

Contact: RICHARD SMITH  
(404) 523-8621

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported  
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 01/30/1987  
Actual Date Achieved Compliance: 06/15/1989

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 03/10/1987  
Penalty Type: Not reported  
Enforcement Action: WRITTEN INFORMAL

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

J & B SMITH COMPANY INCORPORATED (Continued)

1000131943

Enforcement Action Date: 12/30/1987  
Penalty Type: Not reported  
Regulation Violated: Not reported  
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 06/10/1986  
Actual Date Achieved Compliance: 06/15/1989  
Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 08/05/1986  
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Sampling Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19890615
Other Evaluation	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19890615

FINDS:

Other Pertinent Environmental Activity Identified at Site:  
Aerometric Information Retrieval System/AIRS Facility Subsystem  
Resource Conservation and Recovery Act Information system

Non-HSI:

Latitude/Longitude: 33.735 / -84.404  
Site Number: 415  
Ground Water Pathway Score: 0.49  
On-Site Pathway Score: 0  
Report Date: Not reported  
Contaminants:

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address
ATLANTA	S105791678	ASHBY STREET CHEVRON	343 ASHBY ST SW
ATLANTA	S105565406	WOODALL CREEK SITE	1400 BLOCK OF ELLSWORTH INDUSTRIAL BLVD.
ATLANTA	S104252628	UNKNOWN (PREVIOUS PROPERTY OWNER)	932 GLYNN BROOK DR (OFF HOWELL MILL RD; I-75)
ATLANTA	S104550862	229 GRANT STREET	227-229 GRANT STREET
ATLANTA	1003869476	BLACKSHEAR DRUMS	300 LINCOLN STREET, UNIVERSITY & PRYOR
ATLANTA	S105872238	UNDEVELOPED PROPERTY ADJACEN T TO UT	N/A

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

### FEDERAL ASTM STANDARD RECORDS

#### **NPL: National Priority List**

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/30/04

Date Made Active at EDR: 09/09/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/03/04

Elapsed ASTM days: 37

Date of Last EDR Contact: 08/03/04

#### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

#### **Proposed NPL: Proposed National Priority List Sites**

Source: EPA

Telephone: N/A

Date of Government Version: 07/22/04

Date Made Active at EDR: 09/09/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/03/04

Elapsed ASTM days: 37

Date of Last EDR Contact: 08/03/04

#### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/17/04

Date Made Active at EDR: 08/10/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/04

Elapsed ASTM days: 48

Date of Last EDR Contact: 09/21/04

#### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/17/04  
Date Made Active at EDR: 08/10/04  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 06/23/04  
Elapsed ASTM days: 48  
Date of Last EDR Contact: 09/21/04

### **CORRACTS:** Corrective Action Report

Source: EPA  
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/04  
Date Made Active at EDR: 08/10/04  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/25/04  
Elapsed ASTM days: 46  
Date of Last EDR Contact: 09/07/04

### **RCRIS:** Resource Conservation and Recovery Information System

Source: EPA  
Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/10/04  
Date Made Active at EDR: 10/11/04  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/24/04  
Elapsed ASTM days: 48  
Date of Last EDR Contact: 08/24/04

### **ERNS:** Emergency Response Notification System

Source: National Response Center, United States Coast Guard  
Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03  
Date Made Active at EDR: 03/12/04  
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04  
Elapsed ASTM days: 46  
Date of Last EDR Contact: 07/26/04

## FEDERAL ASTM SUPPLEMENTAL RECORDS

### **BRS:** Biennial Reporting System

Source: EPA/NTIS  
Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01  
Database Release Frequency: Biennially

Date of Last EDR Contact: 09/20/04  
Date of Next Scheduled EDR Contact: 12/13/04

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Source: Department of Justice, Consent Decree Library  
Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/05/04  
Database Release Frequency: Varies

Date of Last EDR Contact: 07/30/04  
Date of Next Scheduled EDR Contact: 10/25/04

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **ROD: Records Of Decision**

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/07/04

Database Release Frequency: Annually

Date of Last EDR Contact: 07/07/04

Date of Next Scheduled EDR Contact: 10/04/04

### **DELISTED NPL: National Priority List Deletions**

Source: EPA

Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/30/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/03/04

Date of Next Scheduled EDR Contact: 11/01/04

### **FINDS: Facility Index System/Facility Identification Initiative Program Summary Report**

Source: EPA

Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/08/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04

Date of Next Scheduled EDR Contact: 10/04/04

### **HMIRS: Hazardous Materials Information Reporting System**

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/04

Database Release Frequency: Annually

Date of Last EDR Contact: 04/20/04

Date of Next Scheduled EDR Contact: 07/19/04

### **MLTS: Material Licensing Tracking System**

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/04

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04

Date of Next Scheduled EDR Contact: 10/04/04

### **MINES: Mines Master Index File**

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 06/04/04

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/28/04

Date of Next Scheduled EDR Contact: 12/27/04

### **NPL LIENS: Federal Superfund Liens**

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/23/04  
Date of Next Scheduled EDR Contact: 11/22/04

## **PADS: PCB Activity Database System**

Source: EPA

Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/29/04  
Database Release Frequency: Annually

Date of Last EDR Contact: 08/10/04  
Date of Next Scheduled EDR Contact: 11/08/04

## **DOD: Department of Defense Sites**

Source: USGS

Telephone: 703-692-8801

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/12/04  
Date of Next Scheduled EDR Contact: 11/08/04

## **INDIAN RESERV: Indian Reservations**

Source: USGS

Telephone: 202-208-3710

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/12/04  
Date of Next Scheduled EDR Contact: 11/08/04

## **FUDS: Formerly Used Defense Sites**

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/03  
Database Release Frequency: Varies

Date of Last EDR Contact: 07/06/04  
Date of Next Scheduled EDR Contact: 10/04/04

## **STORMWATER: Storm Water General Permits**

Source: Environmental Protection Agency

Telephone: 202-564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: 02/04/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04  
Date of Next Scheduled EDR Contact: 10/04/04

## **RMP: Risk Management Plans**

Source: Environmental Protection Agency

Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/27/04  
Database Release Frequency: Varies

Date of Last EDR Contact: 08/23/04  
Date of Next Scheduled EDR Contact: 11/22/04

**UMTRA:** Uranium Mill Tailings Sites  
Source: Department of Energy  
Telephone: 505-845-0011

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04  
Database Release Frequency: Varies

Date of Last EDR Contact: 09/20/04  
Date of Next Scheduled EDR Contact: 12/20/04

**ODI:** Open Dump Inventory  
Source: Environmental Protection Agency  
Telephone: 800-424-9346

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/23/95  
Date of Next Scheduled EDR Contact: N/A

**RAATS:** RCRA Administrative Action Tracking System  
Source: EPA  
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/07/04  
Date of Next Scheduled EDR Contact: 12/06/04

**TRIS:** Toxic Chemical Release Inventory System  
Source: EPA  
Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02  
Database Release Frequency: Annually

Date of Last EDR Contact: 09/20/04  
Date of Next Scheduled EDR Contact: 12/20/04

**TSCA:** Toxic Substances Control Act  
Source: EPA  
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02  
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 09/07/04  
Date of Next Scheduled EDR Contact: 12/06/04

**FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
Source: EPA  
Telephone: 202-564-2501

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/13/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04  
Date of Next Scheduled EDR Contact: 12/20/04

### SSTS: Section 7 Tracking Systems

Source: EPA  
Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01  
Database Release Frequency: Annually

Date of Last EDR Contact: 07/20/04  
Date of Next Scheduled EDR Contact: 10/18/04

### FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA. TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04  
Date of Next Scheduled EDR Contact: 12/20/04

## STATE OF GEORGIA ASTM STANDARD RECORDS

### SHWS: Hazardous Site Inventory

Source: Department of Environmental Protection  
Telephone: 404-657-8600

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/01/03  
Date Made Active at EDR: 10/07/03  
Database Release Frequency: Annually

Date of Data Arrival at EDR: 08/29/03  
Elapsed ASTM days: 39  
Date of Last EDR Contact: 09/09/04

### SWF/LF: Solid Waste Disposal Facilities

Source: Department of Natural Resources  
Telephone: 404-362-2696  
Source: Center for GIS, Georgia Institute of Technology  
Telephone: 404-385-0900

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/30/04  
Date Made Active at EDR: 10/06/04  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/30/04  
Elapsed ASTM days: 37  
Date of Last EDR Contact: 08/30/04

### LUST: List of Leaking Underground Storage Tanks

Source: Environmental Protection Division  
Telephone: 404-362-2687

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/04/04  
Date Made Active at EDR: 09/08/04  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/17/04  
Elapsed ASTM days: 22  
Date of Last EDR Contact: 07/16/04

### UST: Underground Storage Tank Database

Source: Environmental Protection Division  
Telephone: 404-362-2687

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program:

Date of Government Version: 02/26/04  
Date Made Active at EDR: 03/31/04  
Database Release Frequency: Annually

Date of Data Arrival at EDR: 03/01/04  
Elapsed ASTM days: 30  
Date of Last EDR Contact: 07/12/04

### HIST LF: Historical Landfills

Source: Department of Natural Resources  
Telephone: 404-362-2696  
Landfills that were closed many years ago.

Date of Government Version: 01/15/03  
Date Made Active at EDR: 02/06/04  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 01/20/04  
Elapsed ASTM days: 17  
Date of Last EDR Contact: 08/30/04

## STATE OF GEORGIA ASTM SUPPLEMENTAL RECORDS

### SPILLS: Spills Information

Source: Department of Natural Resources  
Telephone: 404-656-6905  
Oil or Hazardous Material Spills or Releases.

Date of Government Version: 07/31/04  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/07/04  
Date of Next Scheduled EDR Contact: 10/25/04

### NON HSI: Non-Hazardous Site Inventory

Source: Rindt-McDuff Associates, Inc.  
Telephone: N/A

This list was obtained by EDR in 1998 and contains property listings that have reported contamination of soil or groundwater under the Georgia Hazardous Site Response Act (HSRA). These sites were not placed on the Georgia Priority list (Hazardous Site Inventory or HSI) because their hazard evaluation scores did not exceed the threshold levels established for sites posing an imminent threat to health or the environment. Disclaimer provided by Rindt-McDuff Associates - the database information has been obtained from publicly available sources produced by other entities. While reasonable steps have been taken to insure the accuracy of the data, RMA does not guarantee the accuracy of the data. No claim is made for the actual existence of pollution at any site. This data does not constitute a legal opinion.

Date of Government Version: 01/20/04  
Database Release Frequency: Annually

Date of Last EDR Contact: 07/27/04  
Date of Next Scheduled EDR Contact: 10/04/04

## EDR PROPRIETARY HISTORICAL DATABASES

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

### Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## BROWNFIELDS DATABASES

### **US BROWNFIELDS: A Listing of Brownfields Sites**

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A

Date of Next Scheduled EDR Contact: N/A

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### **Electric Power Transmission Line Data**

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### **AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Child Care Centers

Source: Department of Human Resources

Telephone: 404-651-5562

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

### STREET AND ADDRESS INFORMATION

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## GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

COMMERCIAL PROPERTY  
1121 ALLENE AVENUE  
ATLANTA, GA 30310

### TARGET PROPERTY COORDINATES

Latitude (North):	33.724098 - 33° 43' 26.8"
Longitude (West):	84.413902 - 84° 24' 50.0"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	739626.9
UTM Y (Meters):	3734375.5
Elevation:	1031 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

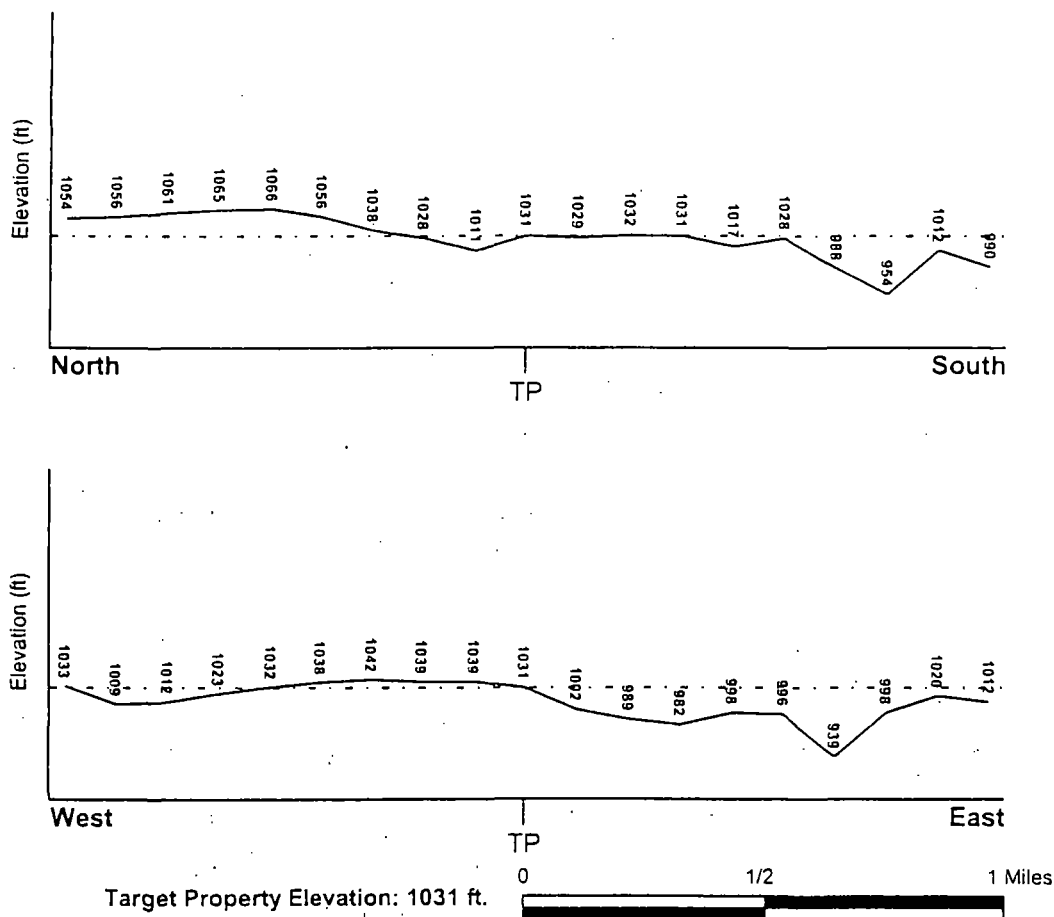
### TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 33084-F4 SOUTHWEST ATLANTA, GA  
General Topographic Gradient: General East  
Source: USGS 7.5 min quad index

#### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

Target Property County  
FULTON, GA

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 13121C0356E

Additional Panels in search area: 13121C0357E  
13121C0358E  
13121C0359E

### NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
SOUTHWEST ATLANTA

NWI Electronic  
Data Coverage  
YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### AQUIFLOW<sup>®</sup>

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	0 - 1/8 Mile West	SE, NW
2	1/2 - 1 Mile WSW	SSW
3	1/2 - 1 Mile NNE	Not Reported
A4	1/2 - 1 Mile North	Not Reported
A7	1/2 - 1 Mile North	NNW
12	1/2 - 1 Mile NNE	Not Reported
13	1/2 - 1 Mile SW	NW

For additional site information, refer to Physical Setting Source Map Findings.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### ROCK STRATIGRAPHIC UNIT

Era: Paleozoic  
System: Mississippian  
Series: migmatite  
Code: mm3 (decoded above as Era, System & Series)

#### GEOLOGIC AGE IDENTIFICATION

Category: Metamorphic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map. USGS Digital Data Series DDS - 11 (1994).

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: sandy clay

Deeper Soil Types: No Other Soil Types

### ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B6	USGS0217649	1/2 - 1 Mile SW
B8	USGS0217650	1/2 - 1 Mile SW
C10	USGS0217652	1/2 - 1 Mile ESE

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B5	0000004612	1/2 - 1 Mile SW
B9	0000004613	1/2 - 1 Mile SW
C11	0000004616	1/2 - 1 Mile ESE

# PHYSICAL SETTING SOURCE MAP - 01292314.1r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Wildlife Areas

TARGET PROPERTY: Commercial Property  
 ADDRESS: 1121 Allene Avenue  
 CITY/STATE/ZIP: Atlanta GA 30310  
 LAT/LONG: 33.7241 / 84.4139

CUSTOMER: Epic Consulting, Inc.  
 CONTACT: James Trichinotis  
 INQUIRY #: 01292314.1r  
 DATE: October 21, 2004 10:52 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

1 West 0 - 1/8 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9000160 SE, NW 29.6 34.0 Not Reported 10/26/1988	AQUIFLOW	23161
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2 WSW 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	0-601026 SSW 9.38 11.80 Not Reported 12/27/1996	AQUIFLOW	18949
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3 NNE 1/2 - 1 Mile Lower	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	0600247 Not Reported Not Reported Not Reported 16.65 9/21/1995	AQUIFLOW	23041
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A4 North 1/2 - 1 Mile Higher	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	0600830 Not Reported 23.24 27.25 Not Reported 9/2/1997	AQUIFLOW	26283
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B5 SW 1/2 - 1 Mile Higher	GA WELLS			0000004612
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Well #:	10DD67	County FIPS:	121
Remarks:	NABISCO INC. (WELL NO. 2)		
Latitude:	334256	Longitude:	0842523
Altitude:	1045	Depth:	1025
Depth to bottom of Casing:	Not Reported	Diameter of Casing:	8
Casing Material:	Not Reported	Discharge:	Not Reported
Type of Openings:	Not Reported	Date Built:	1952
Depth to top of this open interval:	Not Reported		
Depth to bottom of this open interval:	Not Reported		
Primary Use:	Industrial		
Aquifer:	PENNSYLVANIAN - CRYSTALLINE ROCK AQUIFER		

B6 SW 1/2 - 1 Mile Higher	FED USGS	USGS0217649
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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: USGS Site ID: 334256084252201  
 Site Name: 10DD67  
 Dec. Latitude: 33.71566  
 Dec. Longitude: -84.42298  
 Coord Sys: NAD83  
 State: GA  
 County: Fulton County  
 Altitude: 1045  
 Hydrologic code: 03130005  
 Topographic: Not Reported  
 Site Type: Ground-water other than Spring  
 Const Date: 1952 Inven Date: 19900117  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: 320CRSL  
 Aquifer type: Not Reported  
 Well depth: 1025  
 Hole depth: Not Reported Source: other government (other than USGS)  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
0000-00	75	

**A7**  
**North**  
**1/2 - 1 Mile**  
**Higher**  
 Site ID: 0600163  
 Groundwater Flow: NNW  
 Shallow Water Depth: 7.65  
 Deep Water Depth: Not Reported  
 Average Water Depth: Not Reported  
 Date: 2/1996  
 AQUIFLOW 23070

**B8**  
**SW**  
**1/2 - 1 Mile**  
**Higher**  
 FED USGS USGS0217650

Agency: USGS Site ID: 334258084252701  
 Site Name: 10DD52  
 Dec. Latitude: 33.71622  
 Dec. Longitude: -84.42409  
 Coord Sys: NAD83  
 State: GA  
 County: Fulton County  
 Altitude: 1045.00  
 Hydrologic code: 03130005  
 Topographic: Not Reported  
 Site Type: Ground-water other than Spring  
 Const Date: Not Reported Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: 400GNSS  
 Aquifer type: Unconfined single aquifer  
 Well depth: 376  
 Hole depth: 376 Source: reporting agency (generally USGS)  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

B9

SW

1/2 - 1 Mile  
Higher

GA WELLS 0000004613

Well #:	10DD52	County FIPS:	121
Remarks:	NABISCO CO.		
Latitude:	334258	Longitude:	0842527
Altitude:	1045.00	Depth:	376
Depth to bottom of Casing:	Not Reported	Diameter of Casing:	Not Reported
Casing Material:	Not Reported	Discharge:	Not Reported
Type of Openings:	Not Reported	Date Built:	Not Reported
Depth to top of this open interval:	Not Reported		
Depth to bottom of this open interval:	Not Reported		
Primary Use:	Industrial		
Aquifer:	PRECAMBRIAN - GNEISS		

C10

ESE

1/2 - 1 Mile  
Lower

FED USGS USGS0217652

Agency:	USGS	Site ID:	334308084235901
Site Name:	10DD55		
Dec. Latitude:	33.719		
Dec. Longitude:	-84.39965		
Coord Sys:	NAD83		
State:	GA		
County:	Fulton County		
Altitude:	940.00		
Hydrologic code:	03070103		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19771001	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	325		
Hole depth:	325	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

C11

ESE

1/2 - 1 Mile  
Lower

GA WELLS 0000004616

Well #:	10DD55	County FIPS:	121
Remarks:	BROWN TRANSPORT		
Latitude:	334308	Longitude:	0842359
Altitude:	940.00	Depth:	325
Depth to bottom of Casing:	40.00	Diameter of Casing:	6.00
Casing Material:	Steel	Discharge:	45.00
Type of Openings:	Open hole	Date Built:	197710
Depth to top of this open interval:	40.00		
Depth to bottom of this open interval:	325.00		
Primary Use:	Commercial		
Aquifer:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database

EDR ID Number

12  
NNE  
1/2 - 1 Mile  
Higher

Site ID: 0600353  
Groundwater Flow: Not Reported  
Shallow Water Depth: 9  
Deep Water Depth: 44  
Average Water Depth: Not Reported  
Date: 11/1996

AQUIFLOW 26271

13  
SW  
1/2 - 1 Mile  
Higher

Site ID: 0600111  
Groundwater Flow: NW  
Shallow Water Depth: 29.27  
Deep Water Depth: 34.58  
Average Water Depth: Not Reported  
Date: 7/12/1996

AQUIFLOW 23109

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

Federal EPA Radon Zone for FULTON County: 1

Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for Zip Code: 30310

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.300 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.100 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, *Geology of the Conterminous U.S. at 1:2,500,000 Scale* - A digital representation of the 1974 P.B. King and H.M. Beikman Map; USGS Digital Data Series DDS - 11 (1994).

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

### **FEDERAL WATER WELLS**

#### **PWS: Public Water Systems**

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### **PWS ENF: Public Water Systems Violation and Enforcement Data**

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### **USGS Water Wells: USGS National Water Inventory System (NWIS)**

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STATE RECORDS

#### Georgia Public Supply Wells

Source: Georgia Department of Community Affairs  
Telephone: 404-894-0127

#### USGS Georgia Water Wells

Source: USGS, Georgia District Office  
Telephone: 770-903-9100

### RADON

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

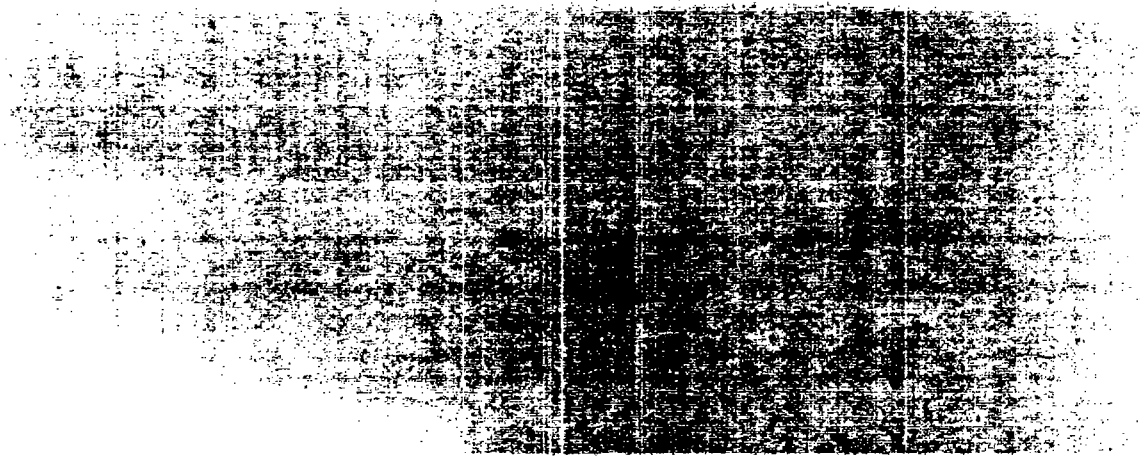
#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Reference 10



Georgia Department of Natural Resources

205 Butler Street, S.E., Suite 1252, Atlanta, Georgia 30334

Joe D. Tanner, Commissioner  
Harold F. Reheis, Director  
Environmental Protection Division

12/22/93

JESSE WOODS OWNER  
J & W PALLET & DRUM CO  
1121 ALLENE AVE  
ATLANTA , GA 303103498RE: EPA ID NUMBER GAD984310797  
SEC ID NUMBER  
1121 ALLENE AVE  
ATLANTA ,GA 303103498


DEAR JESSE WOODS :

We have recently received your notification of regulated waste activity (EPA Form 8700-12).

The above referenced EPA ID number has been assigned to the facility at the address given. This number is site specific and will be used by the Georgia Environmental Protection Division and the US EPA for identification purposes. This number is not a permit. It is used for data management and information tracking purposes.

Your cooperation in protecting Georgia's environment is appreciated.

Sincerely,

  
Gigi Steele  
Hazardous Waste Management Branch

See refer to the Instructions  
Filing Notification before  
completing this form. The  
information requested here is  
required by law (Section 3010  
of the Resource Conservation  
and Recovery Act).



**EPA**

# Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received  
(For Official Use Only)

## I. Installation's EPA ID Number (Mark 'X' in the appropriate box)



A. First Notification



B. Subsequent Notification  
(complete item C)

C. Installation's EPA ID Number

6 A D 9 8 4 3 1 0 7 9 7

## II. Name of Installation (Include company and specific site name)

J + W PALLET + DRUM CO.

## III. Location of Installation (Physical address not P.O. Box or Route Number)

Street

1121 ALLENE AVENUE

Street (continued)

City or Town

ATLANTA

State

ZIP Code

GA 30310-3498

County Code

County Name

121 FULTON

## IV. Installation Mailing Address (See Instructions)

Street or P.O. Box

SAME

City or Town

SAME

State

ZIP Code

## V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last)

(first)

WOODS

JESSE

Job Title

Phone Number (area code and number)

OWNER

404-753-4671

## VI. Installation Contact Address (See Instructions)

A. Contact Address  
Location Mailing

B. Street or P.O. Box



1121 ALLENE AVENUE

City or Town

State

ZIP Code

ATLANTA

GA 30310-3498

## VII. Ownership (See Instructions)

### A. Name of Installation's Legal Owner

JESSE WOODS + ANTHONY JONES

Street, P.O. Box, or Route Number

1121 ALLENE AVENUE

City or Town

State

ZIP Code

ATLANTA

GA 30310-3498

Phone Number (area code and number)

B. Land Type

C. Owner Type

D. Change of Owner Indicator

(Date Changed)

404-753-4671

P

Yes

No

X

09

01

93

ID - For Official Use Only

## VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to Instructions.)

A. Hazardous Waste Activity		B. Used Oil Fuel Activities	
1. Generator (See Instructions)	<input type="checkbox"/>	1. Generator (See Instructions)	<input type="checkbox"/>
a. Greater than 1000 kg/mo (2200 lbs)	<input type="checkbox"/>	a. Generator Marketing to Burner	<input type="checkbox"/>
b. 100 to 1000 kg/mo (220 to 2200 lbs)	<input type="checkbox"/>	b. Other Marketer	<input type="checkbox"/>
c. Less than 100 kg/mo (220 lbs)	<input checked="" type="checkbox"/>	c. Burner - indicate device(s)	<input type="checkbox"/>
2. Transporter (Indicate Mode in boxes 1-5 below)	<input type="checkbox"/>	Type of Combustion Device	<input type="checkbox"/>
a. For Own waste only	<input type="checkbox"/>	1. Utility Boiler	<input type="checkbox"/>
b. For commercial purposes	<input type="checkbox"/>	2. Industrial Boiler	<input type="checkbox"/>
Mode of Transportation	<input type="checkbox"/>	3. Industrial Furnace	<input type="checkbox"/>
1. Air	<input type="checkbox"/>	2. Specification Used Oil Fuel Marketer	<input type="checkbox"/>
2. Rail	<input type="checkbox"/>	(or On-site Burner) Who First Claims	<input type="checkbox"/>
3. Highway	<input type="checkbox"/>	the Oil Meets the Specification	<input type="checkbox"/>
4. Water	<input type="checkbox"/>		
5. Other specify	<input type="checkbox"/>		

## IX. Description of Regulated Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (1000) ☐ 2. Corrosive (1002) ☒ 3. Reactive (1003) ☐ 4. Toxicity Characteristic (1000) ☐ (List specific EPA hazardous waste number(s) for the Toxicity Characteristic contaminant(s))

PO63

## B. Listed Hazardous Wastes (See 40 CFR 261.11 - 15. See instructions if you need to list more than 12 waste codes.)

1	2	3	4	5	6
7	8	9	10	11	12

## C. Other Wastes (State or other wastes requiring an ID number. See Instructions.)

1	2	3	4	5	6

## X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

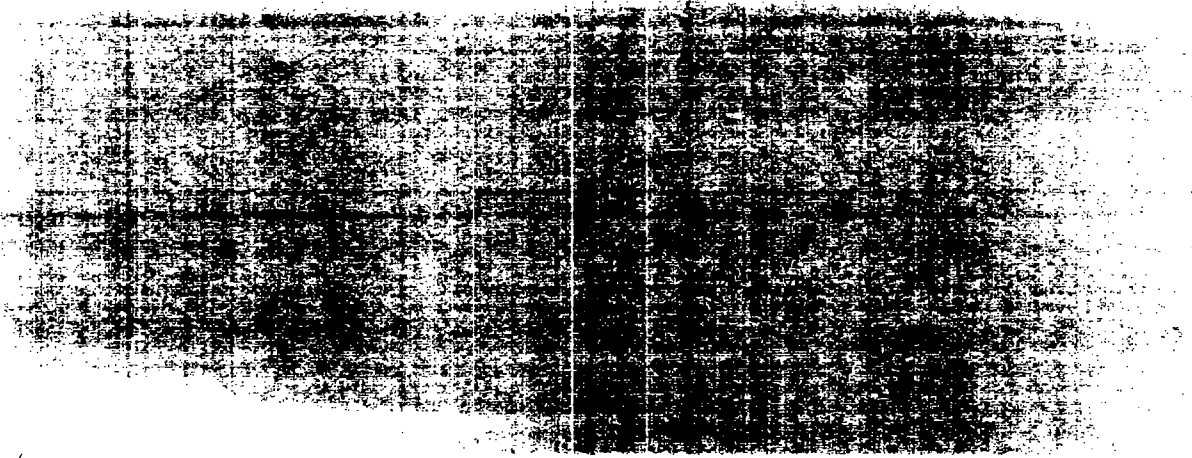
Signature	Name and Official Title (type or print)	Date Signed
<i>James A. Jones</i>	J. W. RALPH AND DRUMS	11-4-93

## XI. Comments

Most Drum Received have been  
Wash Out.

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

Reference 11



April 4, 2005

**Epic Consulting, Inc.**

providing solutions

Mr. Byron Cocke  
GRE Partners  
P.O. Box 55286  
Atlanta, Georgia 30308

Subject:      **Modified Phase II Subsurface Investigation  
Commercial Property  
1121 – 1135 Allene Avenue  
Atlanta, Fulton County, Georgia 30313  
Epic Project #E4124**

Dear Mr. Cocke:

Epic Consulting, Inc. (Epic), is pleased to provide this report of the Modified Phase II Subsurface Investigation performed at the above-referenced properties. Epic performed this scope of work as per our proposal #1029 and the direction of Mr. Byron Cocke.

## **BACKGROUND**

The subject properties are on the west side of Allene Avenue, just south of Warner Street. A towing operation and junkyard currently operates at 1135 Allene Ave., while 1121 Allene Ave. is vacant. 1121 Allene Avenue is the site of a former drum and pallet company, specializing in the containment and onsite storage of Resource Conservation and Recovery Act (RCRA) regulated hazardous waste. The United State Environmental Protection Agency (EPA) lists the site as a small quantity generator of hazardous waste according to a report obtained from Environmental Data Resources, Inc. Epic understands the primary responsible party for the hazardous materials stored and/or generated at 1121 Allene Ave. is insolvent and/or unable to be located.

During conversations with EPA Region 4 Associate Regional Counsel, Susan E. Hansen, it has been learned that the EPA and their contractors have performed emergency remedial action at 1121 Allen Ave. The purpose of this action was to remove various hazardous wastes and storage containers from the subject facility. This report is provided as supplemental information to a Pollution Report that will be provided by the EPA at a later date.

The subject properties, specifically 1121 Allene Ave., generated, stored and disposed of unknown amounts of hazardous waste. Epic considers this an environmental concern to the subject properties and recommended a Modified Phase II Subsurface Investigation be performed to assess the potential impact to groundwater from the hazardous substances formerly stored and/or disposed at the subject property.

1341 Canton Road, Suite E  
Marietta, Georgia 30066

P: 770-528-0200 / 877-874-9931  
F: 770-528-0201

[www.epicconsulting.com](http://www.epicconsulting.com)

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Epic Consulting

Work Order Number 0410380

Checklist completed by Manuel D. Robinson 10/8/14  
Signature Date

Carrier name: FedEx ☐ UPS ☐ Courier ☒ Client ☐ US Mail ☐ Other ☐

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

Container/Temp Blank temperature in compliance? ( $4^{\circ}\text{C} \pm 2$ )\* Yes ☒ No ☐

Cooler #1 4°C Cooler #2 ☐ Cooler #3 ☐ Cooler #4 ☐ Cooler #5 ☐ Cooler #6 ☐

Chain of custody present? Yes ☒ No ☐

Chain of custody signed when relinquished and received? Yes ☒ No ☐

Chain of custody agrees with sample labels? Yes ☒ No ☐

Samples in proper container/bottle? Yes ☒ No ☐

Sample containers intact? Yes ☒ No ☐

Sufficient sample volume for indicated test? Yes ☒ No ☐

All samples received within holding time? Yes ☒ No ☐

Was TAT marked on the COC? Yes ☒ No ☐

Proceed with Standard TAT as per project history? Yes ☐ No ☐ Not Applicable ☒

Water - VOA vials have zero headspace? No VOA vials submitted ☐ Yes ☒ No ☐

Water - pH acceptable upon receipt? Yes ☒ No ☐ Not Applicable ☐

Adjusted? ☐ Checked by MDR

Sample Condition: Good ☒ Other(Explain) ☐

(For diffusive samples or AIHA lead) Is a known blank included? Yes ☐ No ☒

See Case Narrative for resolution of the Non-Conformance.

\* Samples do not have to comply with the given range for certain parameters.

C:\Documents and Settings\Chemist\Desktop\SampleReceiptChecklistRptREV.rtf

## **POTENTIAL RECEPTOR SURVEY**

The subject property is in a lower pollution susceptibility area as defined by the Groundwater Pollution Susceptibility Map of Georgia published by the Georgia Geological Survey (Georgia Geologic Survey Hydrologic Atlas HA-20, 1992). Based on a review of the US Geological Survey (USGS) water well database, a ¼-mile radius visual reconnaissance, and an environmental database review, there are no reported active private, or public water supply wells located within a one-mile radius of the subject property. The nearest surface water body (potential receptor) is an unnamed creek located in Perkerson Park, approximately 4,000 feet south of the subject property. A USGS Well Search spreadsheet is included in Appendix D.

## **GROUNDWATER ASSESSMENT**

### ***Soil Test Borings***

Mr. James Trichinotis of Epic mobilized to the site on October 8, 2004, with a truck-mounted drill rig utilizing hollow stem augers. Soil borings SB-1, SB-2, and SB-4 were advanced to a maximum depth of 30 feet below ground surface (bgs), while borings SB-3, SB-5, and SB-6 were advanced to 35 feet bgs. Ground water samples were obtained from the soil borings where it was encountered at depths ranging from 28 to 33 feet bgs, using a dedicated bailer.

The six ground water quality samples were field preserved, labeled, and placed on ice prior to delivery for laboratory analysis. All groundwater samples were transported under standard Chain of Custody protocol. All soil borings were backfilled with bentonite.

Soil test boring locations are illustrated on Figure II of Appendix A.

### ***Analytical Methods***

To assess the potential for hazardous waste impact, the groundwater samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260B, total RCRA Metals by EPA Method SW6010B/3010A, mercury by EPA Method SW7470A, Poly-Chlorinated Biphenyls (PCBs) by EPA Method SW8082, Poly-Aromatic Hydrocarbons (PAHs) by EPA Method SW8270C, and Chlorinated Pesticides by EPA Method SW8081A. Analytical Environmental Services, Inc. of Atlanta Georgia conducted the laboratory analysis of the samples.

### ***Applicable standards***

Reportable limits for groundwater contaminant concentrations in the subject facility groundwater are defined by Georgia Environmental Protection Division (EPD) Rules "Hazardous Sites Response" (HSR), Chapter 391-3-19 (3).

### **Analytical Results**

Two groundwater samples, SB-1 and SB-4, contained 20 and 10 micrograms per liter ( $\mu\text{g/L}$ ) of tetrachloroethene (PCE), respectively. Remaining VOCs were not detected above laboratory detection limits in the six groundwater samples analyzed.

Groundwater samples SB-1, SB-2, SB-3, SB-4, and SB-5 contained detectable concentrations of total lead. Groundwater samples SB-3, SB-4, and SB-5 contained total lead concentrations above published EPD HSR Rules, Appendix III, Table 1.

Groundwater samples SB-1, SB-3, SB-4, and SB-5 contained detectable concentrations of total chromium. Groundwater samples SB-3, SB-4, and SB-5 contained total chromium concentrations above published EPD HSR Rules, Appendix III, Table 1 values.

All six groundwater samples contained detectable concentration of total barium. Groundwater samples SB-3, SB-4, and SB-5 contained total barium concentrations above EPD HSR Rules, Appendix III, Table 1.

None of the six ground water quality samples analyzed contained PAHs, pesticides, and/or PCBs above laboratory reporting limits.

The laboratory analytical results are presented on Figure III of Appendix A, and in Tables 1 and 2 of Appendix B. Laboratory analytical reports are included in Appendix C.

### **CONCLUSIONS**

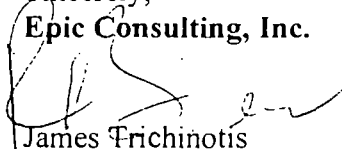
The following conclusions are relevant to the evaluation of site environmental quality:

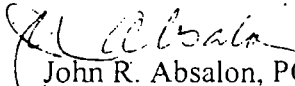
- No public or private water sources were discovered within a one-mile radius of the subject property.
- Potentially, a reportable release of barium, chromium and lead has been discovered in the subject facilities' groundwater. However, total metal concentrations observed to date represent a worst-case metal concentration in the locations sampled. Further groundwater sampling using low-flow sampling and dissolved metal analysis may eliminate the requirement to report these concentrations to the Georgia EPD.
- A reportable release of PCE has been discovered in the subject facilities' groundwater.
- By law, the subject property owner should submit an Initial Release Notification reporting contaminant concentrations in the subject facilities' groundwater to the Georgia EPD Hazardous Sites Response Program within 30 days of being informed of this condition.

## CLOSURE

Epic appreciates the opportunity to be of service. If you should have any questions, please call.

Sincerely,  
**Epic Consulting, Inc.**

  
James Frichinotis  
Project Manager

  
John R. Absalon, PG  
Reviewer/Principal Geologist

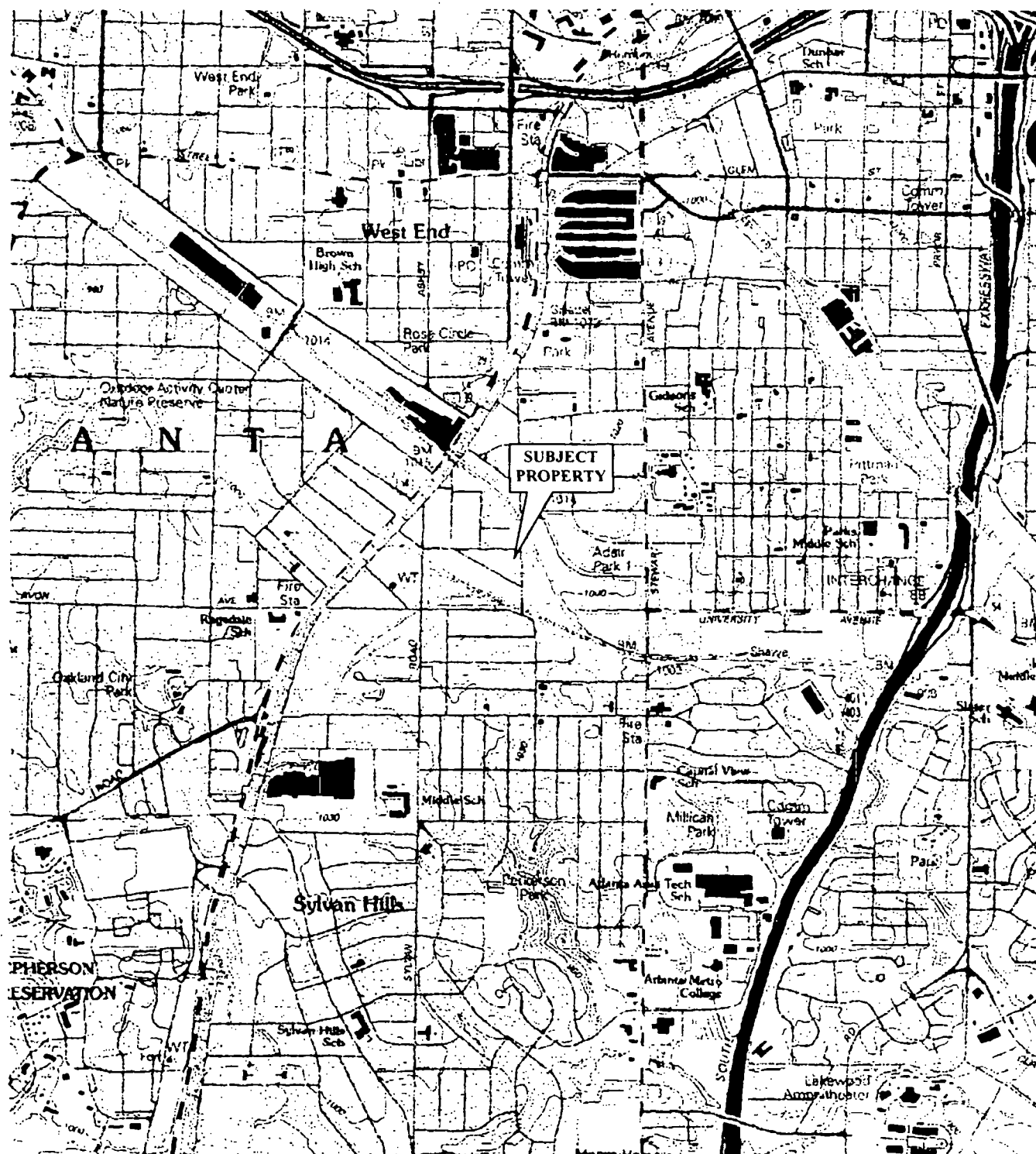
### Attachments

Appendix A  
Appendix B  
Appendix C  
Appendix D

Figures  
Table  
Analytical Results  
Receptor Survey

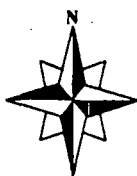
**APPENDIX A**

**FIGURES**



### Legend

Map Date: 1995



### Figure I – Topographic Map

**Commercial Property**  
**1121 - 1135 Allene Avenue**  
**Atlanta, Georgia 30313**

### Scale


$$1'' = 2,000'$$

Source: USGS Southwest Atlanta, Georgia Quadrangle, 7.5-Minute, Topographic

Epic Project #: E4124.01

JJT

**Epic Consulting, Inc.**  
providing solutions

# Commercial Property

Warner Street



Commercial Property

SB-6

SB-2

20' Alley Easement

1121  
Allene  
Avenue

SB-1

Gravel Lot

SB-4

SB-3

1135  
Allene  
Avenue

SB-5

Allene Avenue

Commercial Property

## Legend

● Soil Boring Location

## Figure II

Site Map  
Commercial Property  
1121 - 1135 Allene Avenue  
Atlanta, Fulton County, Georgia 30313

## Scale

0 15 30  
1" = 30'

SOURCE: Epic Consulting, Inc. Field Notes

PROJECT#: E4124.01

JIT

Epic Consulting, Inc.



SB-2	10/8/04
Ba: 0.56	Ch: BRL
Pb: 0.07	PCE: BRL

SB-1	10/8/04
Ba: 2.07	Ch: 0.02
Pb: 0.05	PCE: 20

Warner Street

SB-2

SB-1

1121  
Allene  
Avenue

Gravel Lot

Allene Avenue

SB-6	10/8/04
Ba: 0.09	Ch: BRL
Pb: BRL	PCE: BRL

SB-6

SB-4	10/8/04
Ba: 2.53	Ch: 0.47
Pb: 0.53	PCE: 10

SB-4

1135  
Allene  
Avenue

SB-5

SB-5	10/8/04
Ba: 8.73	Ch: 1.16
Pb: 0.67	PCE: BRL

SB-3	10/8/04
Ba: 0.90	Ch: 0.29
Pb: 0.12	PCE: BRL

SB-3

### Legend

- Soil Boring Location
- BRL - Below Reportable Limits

Sample #	Date	Groundwater analytical results in (μg/L - ppb) for VOCs, and (mg/L - ppm) for Total Metals
Barium	Chromium	
Lead	Tenachloroethene	

### Figure III

Groundwater Quality Map  
Commercial Property  
1121 - 1135 Allene Avenue  
Atlanta, Fulton County, Georgia 30313

### Scale

SOURCE:

PROJECT#: E4124.01

JJT

Epic Consulting, Inc.

**APPENDIX B**

**TABLES**

## EPIC CONSULTING, INC.

Commercial Property  
1121 - 1135 Allene Avenue  
Atlanta, Georgia 30313

**TABLE 2: GROUNDWATER ANALYTICAL RESULTS**  
(Total Metals)

Sample Location	Date Sampled	Results in <i>m g/L</i> or parts per million								
		Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury	Total Metals
SB-1	10/08/04	BDL	2.07	BDL	0.02	0.05	BDL	BDL	BDL	2.14
SB-2	10/08/04	BDL	0.56	BDL	BRL	0.07	BDL	BDL	BDL	0.63
SB-3	10/08/04	BDL	0.9	BDL	0.29	0.12	BDL	BDL	BDL	1.31
SB-4	10/08/04	BDL	2.53	BDL	0.47	0.53	BDL	BDL	BDL	3.53
SB-5	10/08/04	BDL	8.73	BDL	1.16	0.67	BDL	BDL	BDL	10.56
SB-6	10/08/04	BDL	0.09	BDL	BRL	BRL	BDL	BDL	BDL	0.09
Applicable Standard		0.05	2	0.005	0.1	0.015	0.05	0.1	0.002	N/A

N/A - Not Applicable  
BRL - Below Detection Limits

Compiled by: JJT  
Reviewed by: RB

## EPIC CONSULTING, INC.

Commercial Property  
1121 - 1135 Allene Avenue  
Atlanta, Georgia 30313

**TABLE 1: GROUNDWATER ANALYTICAL RESULTS**  
(Volatile Organic Compounds)

Sample Location	Date Sampled	Results in $\mu\text{g/L}$ or parts per billion	
		Tetrachloroethene	Total VOCs
SB-1	10/08/04	20	20
SB-2	10/08/04	BRL	BRL
SB-3	10/08/04	BRL	BRL
SB-4	10/08/04	10	10
SB-5	10/08/04	BRL	BRL
SB-6	10/08/04	BRL	BRL
Applicable Standard		5	N/A

N/A - Not Applicable

BRL - Below Detection Limits

Compiled by: JJT

Reviewed by: RB

**APPENDIX C**

**LABORATORY ANALYTICAL RESULTS**



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 12, 2004

James Trichinotis  
Epic Consulting, Inc.  
1341 Canton Road  
Suite E  
Marietta, GA 30066

TEL: (770) 528-0200

FAX (770) 528-0201

RE: E4124

Order No.: 0410380

Dear James Trichinotis:

Analytical Environmental Services, Inc. received 3 samples on 10/8/2004 6:06:00 PM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:

-NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 06/01/04-04/30/05.

-AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 02/01/07.

These results relate only to the items tested. This report may only be reproduced in full and contains 27 total pages (including cover letter).

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Allison Cantrell  
Project Manager

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
Project: E4124  
Lab Order: 0410380

**CASE NARRATIVE**

**Pesticides Analysis by Method 8081:**

Percent recovery for the surrogate spiking compound decachlorobiphenyl on sample 0410380-003C was outside control limits biased low due to suspected matrix interference. All other surrogate recoveries were within control limits.

**PCB Analysis by Method 8082:**

Matrix spike and matrix spike duplicate recoveries for Aroclor 1016 and the surrogate TCMX on sample 0410397-002B were outside control limits biased high. LCS recovery was within control limits indicating possible matrix interference.



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

AES TEL: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order 1410380

Date: 10/8 Page 1 of 1

COMPANY: <b>Epic</b>		ADDRESS: <b>1341 Canton Rd.</b>		ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers
PHONE: <b>770-528-0200</b>		FAX: <b>770-528-0201</b>		<div style="display: flex; justify-content: space-between;"> <div> PCRA Metals VOCs PAHs PCBs Pesticides </div> <div> </div> </div>												
SAMPLED BY: <b>G. Michinoto</b>		SIGNATURE: <b>G. Michinoto</b>		PRESERVATION (See codes)										REMARKS		
#	SAMPLE ID	DATE	TIME	Grab	Composite	MATRIX (See codes)										
1	SB-1	10/8		X		GW	X	X								
2	SB-2	↓		↓		↓	↓	↓	X	X	X					
3	SB-3															
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																

RELINQUISHED BY		DATE/TIME	RECEIVED BY		DATE/TIME	PROJECT INFORMATION		RECEIPT	
1. <b>G. Michinoto</b>		10/8	1. <b>Hand</b>		10/8 17 <sup>30</sup>	PROJECT NAME <b>E4124</b>		Total # of Containers	
2. <b>Hand</b>		10-8-04 18 <sup>06</sup>	2. <b>Morgan Robinson</b>		18:06 10/14	PROJECT #: <b>E4124</b>		Turnaround Time Request	
3.			3.			SITE ADDRESS: <b>1121 Allene Ave.</b>		<input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input checked="" type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input type="radio"/> Other	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		INVOICE TO		SEND REPORT TO:		STATE PROGRAM (if any):	
		OUT / / VIA:		(IF DIFFERENT FROM ABOVE)		QUOTE #:		E-mail? Y / N; Fax? Y / N	
		IN / / VIA:				PO#:		DATA PACKAGE: I II III IV	
		CLIENT FedEx UPS MAIL COURIER							
		GREYHOUND OTHER							

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (Specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S+N+I = Sodium Bisulfate/Methanol + ice O = Other (Specify) NA = None

White Copy - Original; Yellow Copy - Client

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.

Client Sample ID: SB-1

Lab Order: 0410380

Collection Date: 10/8/2004

Project: E4124

Lab ID: 0410380-001

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>METALS, TOTAL</b>		<b>SW6010B</b>			<b>(SW3010A)</b>		<b>Analyst: BB</b>
Arsenic	BRL	0.0500		mg/L	50513	1	10/11/2004 1:33:00 P
Barium	2.07	0.0200		mg/L	50513	1	10/11/2004 1:33:00 P
Cadmium	BRL	0.0050		mg/L	50513	1	10/11/2004 1:33:00 P
Chromium	0.0209	0.0100		mg/L	50513	1	10/11/2004 1:33:00 P
Lead	0.0572	0.0100		mg/L	50513	1	10/11/2004 6:55:00 P
Selenium	BRL	0.0200		mg/L	50513	1	10/11/2004 1:33:00 P
Silver	BRL	0.0100		mg/L	50513	1	10/11/2004 1:33:00 P
<b>MERCURY, TOTAL</b>		<b>SW7470A</b>			<b>(SW7470A)</b>		<b>Analyst: EM</b>
Mercury	BRL	0.00020		mg/L	50456	1	10/11/2004 3:44:05 P
<b>TCL VOLATILE ORGANICS</b>		<b>SW8260B</b>			<b>(SW5030B)</b>		<b>Analyst: AD</b>
1,1,1-Trichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,1-Dichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,1-Dichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,2-Dibromoethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,2-Dichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,2-Dichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,2-Dichloropropane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
2-Butanone	BRL	10		µg/L	50541	1	10/9/2004 1:08:00 PM
2-Hexanone	BRL	10		µg/L	50541	1	10/9/2004 1:08:00 PM
4-Methyl-2-pentanone	BRL	10		µg/L	50541	1	10/9/2004 1:08:00 PM
Acetone	BRL	20		µg/L	50541	1	10/9/2004 1:08:00 PM
Benzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Bromodichloromethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Bromoform	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Bromomethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Carbon disulfide	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Carbon tetrachloride	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Chlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Chloroethane	BRL	10		µg/L	50541	1	10/9/2004 1:08:00 PM
Chloroform	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Chloromethane	BRL	10		µg/L	50541	1	10/9/2004 1:08:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM

Qualifiers:

- Value exceeds Maximum Contaminant Level
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P NELAC analyte certification pending

S Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
Lab Order: 0410380  
Project: E4124  
Lab ID: 0410380-001

Client Sample ID: SB-1  
Collection Date: 10/8/2004

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B	(SW5030B)	Analyst: AD			
Cyclohexane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Dibromochloromethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Dichlorodifluoromethane	BRL	10		µg/L	50541	1	10/9/2004 1:08:00 PM
Ethylbenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Freon-113	BRL	10		µg/L	50541	1	10/9/2004 1:08:00 PM
Isopropylbenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
m,p-Xylene	BRL	10		µg/L	50541	1	10/9/2004 1:08:00 PM
Methyl acetate	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Methylcyclohexane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Methylene chloride	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
o-Xylene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Styrene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Tetrachloroethene	20	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Toluene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Trichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Trichlorofluoromethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Vinyl chloride	BRL	2.0		µg/L	50541	1	10/9/2004 1:08:00 PM
Surr: 4-Bromofluorobenzene	99.0	63.1-121		%REC	50541	1	10/9/2004 1:08:00 PM
Surr: Dibromofluoromethane	101	69.5-126		%REC	50541	1	10/9/2004 1:08:00 PM
Surr: Toluene-d8	106	74.2-120		%REC	50541	1	10/9/2004 1:08:00 PM

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P NELAC analyte certification pending

S Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.

Client Sample ID: SB-2

Lab Order: 0410380

Collection Date: 10/8/2004

Project: E4124

Lab ID: 0410380-002

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>METALS, TOTAL</b>		<b>SW6010B</b>			<b>(SW3010A)</b>		<b>Analyst: BB</b>
Arsenic	BRL	0.0500		mg/L	50513	1	10/11/2004 1:37:00 P
Barium	0.556	0.0200		mg/L	50513	1	10/11/2004 1:37:00 P
Cadmium	BRL	0.0050		mg/L	50513	1	10/11/2004 1:37:00 P
Chromium	BRL	0.0100		mg/L	50513	1	10/11/2004 1:37:00 P
Lead	0.0712	0.0100		mg/L	50513	1	10/11/2004 7:00:00 P
Selenium	BRL	0.0200		mg/L	50513	1	10/11/2004 1:37:00 P
Silver	BRL	0.0100		mg/L	50513	1	10/11/2004 1:37:00 P
<b>MERCURY, TOTAL</b>		<b>SW7470A</b>			<b>(SW7470A)</b>		<b>Analyst: EM</b>
Mercury	BRL	0.00020		mg/L	50456	1	10/11/2004 3:45:55 P
<b>TCL VOLATILE ORGANICS</b>		<b>SW8260B</b>			<b>(SW5030B)</b>		<b>Analyst: AD</b>
1,1,1-Trichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,1-Dichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,1-Dichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,2-Dibromoethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,2-Dichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,2-Dichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,2-Dichloropropane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
1,4-Dichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
2-Butanone	BRL	10		µg/L	50541	1	10/9/2004 1:35:00 PM
2-Hexanone	BRL	10		µg/L	50541	1	10/9/2004 1:35:00 PM
4-Methyl-2-pentanone	BRL	10		µg/L	50541	1	10/9/2004 1:35:00 PM
Acetone	BRL	20		µg/L	50541	1	10/9/2004 1:35:00 PM
Benzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Bromodichloromethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Bromoform	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Bromomethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Carbon disulfide	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Carbon tetrachloride	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Chlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Chloroethane	BRL	10		µg/L	50541	1	10/9/2004 1:35:00 PM
Chloroform	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Chloromethane	BRL	10		µg/L	50541	1	10/9/2004 1:35:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
Lab Order: 0410380  
Project: E4124  
Lab ID: 0410380-002

Client Sample ID: SB-2  
Collection Date: 10/8/2004

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B		(SW5030B)	Analyst: AD		
Cyclohexane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Dibromochloromethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Dichlorodifluoromethane	BRL	10		µg/L	50541	1	10/9/2004 1:35:00 PM
Ethylbenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Freon-113	BRL	10		µg/L	50541	1	10/9/2004 1:35:00 PM
Isopropylbenzene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
m,p-Xylene	BRL	10		µg/L	50541	1	10/9/2004 1:35:00 PM
Methyl acetate	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Methylcyclohexane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Methylene chloride	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
o-Xylene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Styrene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Tetrachloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Toluene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Trichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Trichlorofluoromethane	BRL	5.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Vinyl chloride	BRL	2.0		µg/L	50541	1	10/9/2004 1:35:00 PM
Surr: 4-Bromofluorobenzene	99.6	63.1-121		%REC	50541	1	10/9/2004 1:35:00 PM
Surr: Dibromofluoromethane	98.8	69.5-126		%REC	50541	1	10/9/2004 1:35:00 PM
Surr: Toluene-d8	105	74.2-120		%REC	50541	1	10/9/2004 1:35:00 PM

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P NELAC analyte certification pending

S Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
Lab Order: 0410380  
Project: E4124  
Lab ID: 0410380-003

Client Sample ID: SB-3  
Collection Date: 10/8/2004

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>CHLORINATED PESTICIDES, TARGET COMPOUN</b>		<b>SW8081A</b>		<b>(SW3510B)</b>			<b>Analyst: WDP</b>
4,4'-DDD	BRL	0.10		µg/L	50509	1	10/11/2004 4:20:00 P
4,4'-DDE	BRL	0.10		µg/L	50509	1	10/11/2004 4:20:00 P
4,4'-DDT	BRL	0.10		µg/L	50509	1	10/11/2004 4:20:00 P
Aldrin	BRL	0.050		µg/L	50509	1	10/11/2004 4:20:00 P
alpha-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 4:20:00 P
alpha-Chlordane	BRL	0.050		µg/L	50509	1	10/11/2004 4:20:00 P
beta-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 4:20:00 P
delta-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 4:20:00 P
Dieldrin	BRL	0.10		µg/L	50509	1	10/11/2004 4:20:00 P
Endosulfan I	BRL	0.050		µg/L	50509	1	10/11/2004 4:20:00 P
Endosulfan II	BRL	0.10		µg/L	50509	1	10/11/2004 4:20:00 P
Endosulfan sulfate	BRL	0.10		µg/L	50509	1	10/11/2004 4:20:00 P
Endrin	BRL	0.10		µg/L	50509	1	10/11/2004 4:20:00 P
Endrin aldehyde	BRL	0.10		µg/L	50509	1	10/11/2004 4:20:00 P
Endrin ketone	BRL	0.10		µg/L	50509	1	10/11/2004 4:20:00 P
gamma-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 4:20:00 P
gamma-Chlordane	BRL	0.050		µg/L	50509	1	10/11/2004 4:20:00 P
Heptachlor	BRL	0.050		µg/L	50509	1	10/11/2004 4:20:00 P
Heptachlor epoxide	BRL	0.050		µg/L	50509	1	10/11/2004 4:20:00 P
Methoxychlor	BRL	0.50		µg/L	50509	1	10/11/2004 4:20:00 P
Toxaphene	BRL	5.0		µg/L	50509	1	10/11/2004 4:20:00 P
Surr: Decachlorobiphenyl	4.01	10-121	S	%REC	50509	1	10/11/2004 4:20:00 P
Surr: Tetrachloro-m-xylene	39.5	10.9-125		%REC	50509	1	10/11/2004 4:20:00 P
<b>POLYCHLORINATED BIPHENYLS</b>		<b>SW8082</b>		<b>(SW3510B)</b>			<b>Analyst: WDP</b>
Aroclor 1016	BRL	1.0		µg/L	50510	1	10/12/2004 3:02:00 A
Aroclor 1221	BRL	1.0		µg/L	50510	1	10/12/2004 3:02:00 A
Aroclor 1232	BRL	1.0		µg/L	50510	1	10/12/2004 3:02:00 A
Aroclor 1242	BRL	1.0		µg/L	50510	1	10/12/2004 3:02:00 A
Aroclor 1248	BRL	1.0		µg/L	50510	1	10/12/2004 3:02:00 A
Aroclor 1254	BRL	1.0		µg/L	50510	1	10/12/2004 3:02:00 A
Aroclor 1260	BRL	1.0		µg/L	50510	1	10/12/2004 3:02:00 A
Surr: Decachlorobiphenyl	25.5	21.2-141		%REC	50510	1	10/12/2004 3:02:00 A
Surr: Tetrachloro-m-xylene	44.0	10.8-112		%REC	50510	1	10/12/2004 3:02:00 A
<b>METALS, TOTAL</b>		<b>SW6010B</b>		<b>(SW3010A)</b>			<b>Analyst: BB</b>
Arsenic	BRL	0.0500		mg/L	50513	1	10/11/2004 1:42:00 P
Barium	0.904	0.0200		mg/L	50513	1	10/11/2004 1:42:00 P
Cadmium	BRL	0.0050		mg/L	50513	1	10/11/2004 1:42:00 P
Chromium	0.291	0.0100		mg/L	50513	1	10/11/2004 1:42:00 P
Lead	0.115	0.0100		mg/L	50513	1	10/11/2004 7:15:00 P

Qualifiers: \* Value exceeds Maximum Contaminant Level  
BRL Below Reporting Limit  
H Holding times for preparation or analysis exceeded  
N Analyte not NELAC certified  
Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P NELAC analyte certification pending  
S Spike Recovery outside accepted recovery limits

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.

Client Sample ID: SB-3

Lab Order: 0410380

Collection Date: 10/8/2004

Project: E4124

Lab ID: 0410380-003

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>METALS, TOTAL</b>		<b>SW6010B</b>			<b>(SW3010A)</b>		<b>Analyst: BB</b>
Selenium	BRL	0.0200		mg/L	50513	1	10/11/2004 1:42:00 P
Silver	BRL	0.0100		mg/L	50513	1	10/11/2004 1:42:00 P
<b>MERCURY, TOTAL</b>		<b>SW7470A</b>			<b>(SW7470A)</b>		<b>Analyst: EM</b>
Mercury	BRL	0.00020		mg/L	50456	1	10/11/2004 3:47:45 P
<b>POLYAROMATIC HYDROCARBONS</b>		<b>SW8270C</b>			<b>(SW3535)</b>		<b>Analyst: EP</b>
Naphthalene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Acenaphthylene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
1-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
2-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Acenaphthene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Fluorene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Phenanthrene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Anthracene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Pyrene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Benz(a)anthracene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Chrysene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Benzo(b)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Benzo(k)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Benzo(a)pyrene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Dibenz(a,h)anthracene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Benzo(g,h,i)perylene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	50525	1	10/11/2004 4:21:00 P
Surr: Nitrobenzene-d5	73.6	32.3-136		%REC	50525	1	10/11/2004 4:21:00 P
Surr: 2-Fluorobiphenyl	75.3	37-135		%REC	50525	1	10/11/2004 4:21:00 P
Surr: 4-Terphenyl-d14	93.8	21.9-145		%REC	50525	1	10/11/2004 4:21:00 P
<b>TCL VOLATILE ORGANICS</b>		<b>SW8260B</b>			<b>(SW5030B)</b>		<b>Analyst: AD</b>
1,1,1-Trichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,1,2-Trichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,1-Dichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,1-Dichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,2-Dibromoethane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,2-Dichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,2-Dichloroethane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,2-Dichloropropane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
1,3-Dichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM

Qualifiers: \* Value exceeds Maximum Contaminant Level  
 BRL Below Reporting Limit  
 H Holding times for preparation or analysis exceeded  
 N Analyte not NELAC certified  
 Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 P NELAC analyte certification pending  
 S Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.

Client Sample ID: SB-3

Lab Order: 0410380

Collection Date: 10/8/2004

Project: E4124

Lab ID: 0410380-003

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B	(SW5030B)	Analyst: AD			
1,4-Dichlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
2-Butanone	BRL	10		µg/L	50541	1	10/9/2004 2:03:00 PM
2-Hexanone	BRL	10		µg/L	50541	1	10/9/2004 2:03:00 PM
4-Methyl-2-pentanone	BRL	10		µg/L	50541	1	10/9/2004 2:03:00 PM
Acetone	BRL	20		µg/L	50541	1	10/9/2004 2:03:00 PM
Benzene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Bromodichloromethane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Bromoform	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Bromomethane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Carbon disulfide	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Carbon tetrachloride	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Chlorobenzene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Chloroethane	BRL	10		µg/L	50541	1	10/9/2004 2:03:00 PM
Chloroform	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Chloromethane	BRL	10		µg/L	50541	1	10/9/2004 2:03:00 PM
cis-1,2-Dichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
cis-1,3-Dichloropropene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Cyclohexane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Dibromochloromethane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Dichlorodifluoromethane	BRL	10		µg/L	50541	1	10/9/2004 2:03:00 PM
Ethylbenzene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Freon-113	BRL	10		µg/L	50541	1	10/9/2004 2:03:00 PM
Isopropylbenzene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
m,p-Xylene	BRL	10		µg/L	50541	1	10/9/2004 2:03:00 PM
Methyl acetate	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Methyl tert-butyl ether	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Methylcyclohexane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Methylene chloride	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
o-Xylene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Styrene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Tetrachloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Toluene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
trans-1,2-Dichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
trans-1,3-Dichloropropene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Trichloroethene	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Trichlorofluoromethane	BRL	5.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Vinyl chloride	BRL	2.0		µg/L	50541	1	10/9/2004 2:03:00 PM
Surr: 4-Bromofluorobenzene	101	63.1-121		%REC	50541	1	10/9/2004 2:03:00 PM
Surr: Dibromofluoromethane	102	69.5-126		%REC	50541	1	10/9/2004 2:03:00 PM
Surr: Toluene-d8	107	74.2-120		%REC	50541	1	10/9/2004 2:03:00 PM

Qualifiers:	• Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL Below Reporting Limit	E	Value above quantitation range
	H Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit Reporting Limit	S	Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.

Work Order: 0410380

Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50456

Sample ID	MB-50456	SampType:	MBLK	TestCode:	7470A_W_T	Units:	mg/L	Prep Date:	10/8/2004	RunNo:	56591		
Client ID:		Batch ID:	50456	TestNo:	SW7470A			Analysis Date:	10/11/2004	SeqNo:	1096626		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	BRL	0.000200									
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Sample ID	LCS-50456	SampType:	LCS	TestCode:	7470A_W_T	Units:	mg/L	Prep Date:	10/8/2004	RunNo:	56591		
Client ID:		Batch ID:	50456	TestNo:	SW7470A			Analysis Date:	10/11/2004	SeqNo:	1096627		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.004901	0.000200	0.005	0	98	85	115	0	0		
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Sample ID	0410238-005BMS	SampType:	MS	TestCode:	7470A_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56591		
Client ID:		Batch ID:	50456	TestNo:	SW7470A			Analysis Date:	10/11/2004	SeqNo:	1096629		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.003703	0.000200	0.005	0.00003807	73.3	70	130	0	0		
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Sample ID	0410238-005BMSD	SampType:	MSD	TestCode:	7470A_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56591			
Client ID:		Batch ID:	50456	TestNo:	SW7470A			Analysis Date:	10/11/2004	SeqNo:	1096630			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.003795	0.000200	0.005	0.00003807	75.1	70	130	0.003703	2.45	20	
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**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50509

Sample ID MB-50509	SampType: MBLK	TestCode: 8081_TCL_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56577						
Client ID:	Batch ID: 50509	TestNo: SW8081A		Analysis Date: 10/11/2004	SeqNo: 1096448						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	BRL	0.10									
4,4'-DDE	BRL	0.10									
4,4'-DDT	BRL	0.10									
Aldrin	BRL	0.050									
alpha-BHC	BRL	0.050									
alpha-Chlordane	BRL	0.050									
beta-BHC	BRL	0.050									
delta-BHC	BRL	0.050									
Dieldrin	BRL	0.10									
Endosulfan I	BRL	0.050									
Endosulfan II	BRL	0.10									
Endosulfan sulfate	BRL	0.10									
Endrin	BRL	0.10									
Endrin aldehyde	BRL	0.10									
Endrin ketone	BRL	0.10									
gamma-BHC	BRL	0.050									
gamma-Chlordane	BRL	0.050									
Heptachlor	BRL	0.050									
Heptachlor epoxide	BRL	0.050									
Methoxychlor	BRL	0.50									
Toxaphene	BRL	5.0									
Surr: Decachlorobiphenyl	0.3795	0	0.5	0	75.9	10	121	0	0		
Surr: Tetrachloro-m-xylene	0.1996	0	0.5	0	39.9	10.9	125	0	0		

Sample ID 0410430-002B	SampType: MBLK	TestCode: 8081_TCL_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56577						
Client ID:	Batch ID: 50509	TestNo: SW8081A		Analysis Date: 10/11/2004	SeqNo: 1096595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	BRL	0.10	0	0	0	0	0	0	0		
4,4'-DDE	BRL	0.10	0	0	0	0	0	0	0		
4,4'-DDT	BRL	0.10	0	0	0	0	0	0	0		

**Qualifiers:** B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50509

Sample ID 0410430-002B	SampType: MBLK	TestCode: 8081_TCL_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56577						
Client ID:	Batch ID: 50509	TestNo: SW8081A		Analysis Date: 10/11/2004	SeqNo: 1096595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	BRL	0.050	0	0	0	0	0	0	0		
alpha-BHC	BRL	0.050	0	0	0	0	0	0	0		
alpha-Chlordane	BRL	0.050	0	0	0	0	0	0	0		
beta-BHC	BRL	0.050	0	0	0	0	0	0	0		
delta-BHC	BRL	0.050	0	0	0	0	0	0	0		
Dieldrin	BRL	0.10	0	0	0	0	0	0	0		
Endosulfan I	BRL	0.050	0	0	0	0	0	0	0		
Endosulfan II	BRL	0.10	0	0	0	0	0	0	0		
Endosulfan sulfate	BRL	0.10	0	0	0	0	0	0	0		
Endrin	BRL	0.10	0	0	0	0	0	0	0		
Endrin aldehyde	BRL	0.10	0	0	0	0	0	0	0		
Endrin ketone	BRL	0.10	0	0	0	0	0	0	0		
gamma-BHC	BRL	0.050	0	0	0	0	0	0	0		
gamma-Chlordane	BRL	0.050	0	0	0	0	0	0	0		
Heptachlor	BRL	0.050	0	0	0	0	0	0	0		
Heptachlor epoxide	BRL	0.050	0	0	0	0	0	0	0		
Methoxychlor	BRL	0.50	0	0	0	0	0	0	0		
Toxaphene	BRL	5.0	0	0	0	0	0	0	0		
Surr: Decachlorobiphenyl	0.2624	0	0.5	0	52.5	10	121	0	0		
Surr: Tetrachloro-m-xylene	0.4514	0	0.5	0	90.3	10.9	125	0	0		

Sample ID LCS-50509	SampType: LCS	TestCode: 8081_TCL_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56577						
Client ID:	Batch ID: 50509	TestNo: SW8081A		Analysis Date: 10/11/2004	SeqNo: 1096449						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	1.093	0.10	1	0	109	49.9	150	0	0		
Aldrin	0.7901	0.050	1	0	79	41.5	135	0	0		
Dieldrin	1.012	0.10	1	0	101	63.3	143	0	0		
Endrin	1.07	0.10	1	0	107	51.8	144	0	0		
gamma-BHC	0.9138	0.050	1	0	91.4	44.7	127	0	0		
Heptachlor	0.7915	0.050	1	0	79.1	40.5	122	0	0		

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50509

Sample ID	LCS-50509	SampType:	LCS	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096449
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Decachlorobiphenyl	0.4044	0	0.5	0	80.9	10	121	0	0		
Surr: Tetrachloro-m-xylene	0.3614	0	0.5	0	72.3	10.9	125	0	0		

Sample ID	0410397-001BMS	SampType:	MS	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096451
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

4,4'-DDT	0.9269	0.10	1	0	92.7	56.3	134	0	0		
Aldrin	0.7744	0.050	1	0	77.4	55	127	0	0		
Dieldrin	0.9588	0.10	1	0	95.9	66.1	142	0	0		
Endrin	1.023	0.10	1	0	102	50	148	0	0		
gamma-BHC	0.8497	0.050	1	0	85	52.1	124	0	0		
Heptachlor	0.8221	0.050	1	0	82.2	43.2	131	0	0		
Surr: Decachlorobiphenyl	0.2224	0	0.5	0	44.5	10	121	0	0		
Surr: Tetrachloro-m-xylene	0.3223	0	0.5	0	64.5	10.9	125	0	0		

Sample ID	0410397-001BMSD	SampType:	MSD	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096486
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

4,4'-DDT	0.9184	0.10	1	0	91.8	56.3	134	0.9269	0.924	16.9	
Aldrin	0.7788	0.050	1	0	77.9	55	127	0.7744	0.572	24.9	
Dieldrin	0.9769	0.10	1	0	97.7	66.1	142	0.9588	1.87	16.1	
Endrin	1.03	0.10	1	0	103	50	148	1.023	0.669	16.6	
gamma-BHC	0.8554	0.050	1	0	85.5	52.1	124	0.8497	0.670	25.6	
Heptachlor	0.8272	0.050	1	0	82.7	43.2	131	0.8221	0.618	24.2	
Surr: Decachlorobiphenyl	0.2201	0	0.5	0	44	10	121	0.2224	0	0	
Surr: Tetrachloro-m-xylene	0.327	0	0.5	0	65.4	10.9	125	0.3223	0	0	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50510

Sample ID	MB-50510	SampType: MBLK	TestCode: 8082_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56587						
Client ID:		Batch ID: 50510	TestNo: SW8082		Analysis Date: 10/11/2004	SeqNo: 1096823						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	BRL	1.0									
Aroclor 1221	BRL	1.0									
Aroclor 1232	BRL	1.0									
Aroclor 1242	BRL	1.0									
Aroclor 1248	BRL	1.0									
Aroclor 1254	BRL	1.0									
Aroclor 1260	BRL	1.0									
Surr: Decachlorobiphenyl	0.3898	0	0.5	0	78	21.2	141	0	0		
Surr: Tetrachloro-m-xylene	0.2019	0	0.5	0	40.4	10.8	112	0	0		

Sample ID	LCS-50510	SampType: LCS	TestCode: 8082_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56587					
Client ID:	Batch ID: 50510	TestNo: SW8082		Analysis Date: 10/11/2004	SeqNo: 1096824						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	4.731	1.0	5	0	94.6	53.8	115	0	0		
Aroclor 1260	4.733	1.0	5	0	94.7	64.9	115	0	0		
Surr: Decachlorobiphenyl	0.3756	0	0.5	0	75.1	21.2	141	0	0		
Surr: Tetrachloro-m-xylene	0.35	0	0.5	0	70	10.8	112	0	0		

Sample ID	0410397-002BMS	SampType:	MS	TestCode:	8082_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56587		
Client ID:		Batch ID:	50510	TestNo:	SW8082			Analysis Date:	10/12/2004	SeqNo:	1096826		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	6.094	1.0	5	0	122	51.8	118	0	0		S
Aroclor 1260	4.948	1.0	5	0	99	45.5	116	0	0		
Surr: Decachlorobiphenyl	0.4807	0	0.5	0	96.1	21.2	141	0	0		
Surr: Tetrachloro-m-xylene	0.6582	0	0.5	0	132	10.8	112	0	0		S

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
Work Order: 0410380  
Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50510

Sample ID 0410397-002BMSD	SampType: MSD	TestCode: 8082_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56587						
Client ID:	Batch ID: 50510	TestNo: SW8082		Analysis Date: 10/12/2004	SeqNo: 1096827						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	5.922	1.0	5	0	118	51.8	118	6.094	2.86	40	S
Aroclor 1260	4.718	1.0	5	0	94.4	45.5	116	4.948	4.75	20.1	
Surr: Decachlorobiphenyl	0.5256	0	0.5	0	105	21.2	141	0.4807	0	0	
Surr: Tetrachloro-m-xylene	0.6993	0	0.5	0	140	10.8	112	0.6582	0	0	S

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50513

Sample ID	MB-50513	SampType:	MBLK	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567		
Client ID:		Batch ID:	50513	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096329		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0100									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									

Sample ID	MB-50513	SampType:	MBLK	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567			
Client ID:		Batch ID:	50513	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096728			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	BRL	0.0100									
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Sample ID	LCS-50513	SampType:	LCS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567			
Client ID:		Batch ID:	50513	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096328			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	1.027	0.0500	1	0	103	85	115	0	0		
Barium	1.035	0.0200	1	0	103	85	115	0	0		
Cadmium	1.031	0.00500	1	0	103	85	115	0	0		
Chromium	1.017	0.0100	1	0	102	85	115	0	0		
Selenium	1.051	0.0200	1	0	105	85	115	0	0		
Silver	0.1128	0.0100	0.1	0	113	85	115	0	0		

Sample ID	LCS-50513	SampType:	LCS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567			
Client ID:		Batch ID:	50513	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096727			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead	1.019	0.0100	1	0	102	85	115	0	0		
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Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50513

Sample ID 0410398-015CMS	SampType: MS	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 10/11/2004	RunNo: 56567						
Client ID:	Batch ID: 50513	TestNo: SW6010B		Analysis Date: 10/11/2004	SeqNo: 1096339						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.021	0.0500	1	0	102	75	125	0	0		
Barium	1.254	0.0200	1	0.252	100	75	125	0	0		
Cadmium	1.013	0.00500	1	0	101	75	125	0	0		
Chromium	1.005	0.0100	1	0.00214	100	75	125	0	0		
Selenium	1.026	0.0200	1	0	103	75	125	0	0		
Silver	0.1104	0.0100	0.1	0	110	75	125	0	0		

Sample ID 0410398-015CMS	SampType: MS	TestCode: 6010B_W_T	Units: mg/L	Prép Date: 10/11/2004	RunNo: 56567						
Client ID:	Batch ID: 50513	TestNo: SW6010B		Analysis Date: 10/11/2004	SeqNo: 1096731						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	1.012	0.0100	1	0	101	75	125	0	0		

Sample ID 0410398-015CDUP	SampType: DUP	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 10/11/2004	RunNo: 56567						
Client ID:	Batch ID: 50513	TestNo: SW6010B		Analysis Date: 10/11/2004	SeqNo: 1096333						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.0500	0	0	0	0	0	0	0	20	
Barium	0.2494	0.0200	0	0	0	0	0	0.252	1.01	20	
Cadmium	BRL	0.00500	0	0	0	0	0	0	0	20	
Chromium	BRL	0.0100	0	0	0	0	0	0.00214	0	20	
Selenium	BRL	0.0200	0	0	0	0	0	0	0	20	
Silver	BRL	0.0100	0	0	0	0	0	0	0	20	

Sample ID 0410398-015CDUP	SampType: DUP	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 10/11/2004	RunNo: 56567						
Client ID:	Batch ID: 50513	TestNo: SW6010B		Analysis Date: 10/11/2004	SeqNo: 1096730						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	BRL	0.0100	0	0	0	0	0	0	0	20	

**Qualifiers:** B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID MB-50525	SampType: MBLK	TestCode: 8270_PAH_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56595						
Client ID:	Batch ID: 50525	TestNo: SW8270C		Analysis Date: 10/11/2004	SeqNo: 1096813						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	BRL	10									
2-Methylnaphthalene	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Phenanthrene	BRL	10									
Pyrene	BRL	10									
Surr: 2-Fluorobiphenyl	42.78	0	50	0	85.6	37	135	0	0		
Surr: 4-Terphenyl-d14	48.57	0	50	0	97.1	21.9	145	0	0		
Surr: Nitrobenzene-d5	46.06	0	50	0	92.1	32.3	136	0	0		

Sample ID LCS-50525	SampType: LCS	TestCode: 8270_PAH_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56595						
Client ID:	Batch ID: 50525	TestNo: SW8270C		Analysis Date: 10/11/2004	SeqNo: 1096814						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	42.56	10	50	0	85.1	57	120	0	0		
Acenaphthylene	43	10	50	0	86	57.4	130	0	0		
Anthracene	46.11	10	50	0	92.2	53.8	145	0	0		
Benz(a)anthracene	44.75	10	50	0	89.5	60.3	132	0	0		
Benzo(a)pyrene	44.2	10	50	0	88.4	49.3	141	0	0		

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID	LCS-50525	SampType: LCS	TestCode: 8270_PAH_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56595					
Client ID:		Batch ID: 50525	TestNo: SW8270C		Analysis Date: 10/11/2004	SeqNo: 1096814					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	44.39	10	50	0	88.8	56.5	131	0	0		
Benzo(g,h,i)perylene	50.49	10	50	0	101	41.9	144	0	0		
Benzo(k)fluoranthene	45.79	10	50	0	91.6	50.6	137	0	0		
Chrysene	44.67	10	50	0	89.3	62.5	129	0	0		
Dibenz(a,h)anthracene	49.68	10	50	0	99.4	41.4	141	0	0		
Fluoranthene	45.08	10	50	0	90.2	66.7	128	0	0		
Fluorene	42.91	10	50	0	85.8	62.4	124	0	0		
Indeno(1,2,3-cd)pyrene	48.78	10	50	0	97.6	46.7	138	0	0		
Naphthalene	41.07	10	50	0	82.1	50	120	0	0		
Phenanthrene	44.77	10	50	0	89.5	66.8	124	0	0		
Pyrene	46.67	10	50	0	93.3	62.4	127	0	0		
Surr: 2-Fluorobiphenyl	41.47	0	50	0	82.9	37	135	0	0		
Surr: 4-Terphenyl-d14	47.59	0	50	0	95.2	21.9	145	0	0		
Surr: Nitrobenzene-d5	29.72	0	50	0	59.4	32.3	136	0	0		

Sample ID 0410356-002BMS	SampType: MS	TestCode: 8270_PAH_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56595						
Client ID:	Batch ID: 50525	TestNo: SW8270C		Analysis Date: 10/11/2004	SeqNo: 1096817						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	82.28	20	100	0	82.3	47.9	127	0	0		
Acenaphthylene	82.68	20	100	0	82.7	52.5	133	0	0		
Anthracene	89.72	20	100	0	89.7	55	140	0	0		
Benz(a)anthracene	88.2	20	100	0	88.2	56	131	0	0		
Benzo(a)pyrene	84.2	20	100	0	84.2	49.3	135	0	0		
Benzo(b)fluoranthene	84.44	20	100	0	84.4	48.2	133	0	0		
Benzo(g,h,i)perylene	92.18	20	100	0	92.2	42.4	141	0	0		
Benzo(k)fluoranthene	91.6	20	100	0	91.6	44.3	134	0	0		
Chrysene	88.82	20	100	0	88.8	54.5	130	0	0		
Dibenz(a,h)anthracene	94.68	20	100	0	94.7	42.7	138	0	0		
Fluoranthene	89.84	20	100	0	89.8	59.9	128	0	0		
Fluorene	82.58	20	100	0	82.6	56.4	128	0	0		

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID 0410356-002BMS	SampType: MS	TestCode: 8270_PAH_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56595						
Client ID:	Batch ID: 50525	TestNo: SW8270C		Analysis Date: 10/11/2004	SeqNo: 1096817						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	91.66	20	100	0	91.7	43.5	138	0	0		
Naphthalene	79.24	20	100	0	79.2	47.1	127	0	0		
Phenanthrene	86.98	20	100	0	87	60.2	127	0	0		
Pyrene	91.52	20	100	0	91.5	55.7	129	0	0		
Surr: 2-Fluorobiphenyl	83.4	0	100	0	83.4	37	135	0	0		
Surr: 4-Terphenyl-d14	90.68	0	100	0	90.7	21.9	145	0	0		
Surr: Nitrobenzene-d5	85.28	0	100	0	85.3	32.3	136	0	0		

Sample ID 0410356-002BMSD	SampType: MSD	TestCode: 8270_PAH_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56595						
Client ID:	Batch ID: 50525	TestNo: SW8270C		Analysis Date: 10/11/2004	SeqNo: 1096818						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	85.1	20	100	0	85.1	47.9	127	82.28	3.37	19.6	
Acenaphthylene	85.64	20	100	0	85.6	52.5	133	82.68	3.52	19.5	
Anthracene	94.32	20	100	0	94.3	55	140	89.72	5.00	19.4	
Benz(a)anthracene	89.78	20	100	0	89.8	56	131	88.2	1.78	19.6	
Benzo(a)pyrene	85.86	20	100	0	85.9	49.3	135	84.2	1.95	19.6	
Benzo(b)fluoranthene	85.8	20	100	0	85.8	48.2	133	84.44	1.60	22	
Benzo(g,h,i)perylene	93.78	20	100	0	93.8	42.4	141	92.18	1.72	20.7	
Benzo(k)fluoranthene	92.84	20	100	0	92.8	44.3	134	91.6	1.34	23.9	
Chrysene	90.02	20	100	0	90	54.5	130	88.82	1.34	19.7	
Dibenz(a,h)anthracene	95.98	20	100	0	96	42.7	138	94.68	1.36	20.7	
Fluoranthene	91.76	20	100	0	91.8	59.9	128	89.84	2.11	19.5	
Fluorene	86.42	20	100	0	86.4	56.4	128	82.58	4.54	20.6	
Indeno(1,2,3-cd)pyrene	93.28	20	100	0	93.3	43.5	138	91.66	1.75	20.8	
Naphthalene	82.02	20	100	0	82	47.1	127	79.24	3.45	24.2	
Phenanthrene	90.18	20	100	0	90.2	60.2	127	86.98	3.61	18.8	
Pyrene	93.32	20	100	0	93.3	55.7	129	91.52	1.95	18.5	
Surr: 2-Fluorobiphenyl	85.38	0	100	0	85.4	37	135	83.4	0	0	
Surr: 4-Terphenyl-d14	90.56	0	100	0	90.6	21.9	145	90.68	0	0	
Surr: Nitrobenzene-d5	87.18	0	100	0	87.2	32.3	136	85.28	0	0	

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

# ANALYTICAL QC SUMMARY REPORT

BatchID: 50541

Sample ID 0410331-001AMS	SampType: MS	TestCode: 8260_TCL4.2	Units: µg/L	Prep Date: 10/9/2004	RunNo: 56561						
Client ID:	Batch ID: 50541	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096587						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	48.82	5.0	50	0	97.6	51.1	151	0	0		
Benzene	51.55	5.0	50	0	103	68.9	131	0	0		
Chlorobenzene	49.23	5.0	50	0	98.5	75.4	123	0	0		
Toluene	52.93	5.0	50	0	106	74.8	128	0	0		
Trichloroethene	51.89	5.0	50	0	104	66.3	145	0	0		
Surr: 4-Bromofluorobenzene	50.88	0	50	0	102	63.1	121	0	0		
Surr: Dibromofluoromethane	49.2	0	50	0	98.4	69.5	126	0	0		
Surr: Toluene-d8	52.01	0	50	0	104	74.2	120	0	0		

Sample ID 0410331-001AMSD	SampType: MSD	TestCode: 8260_TCL4.2	Units: µg/L	Prep Date: 10/9/2004	RunNo: 56561						
Client ID:	Batch ID: 50541	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096588						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	46.87	5.0	50	0	93.7	51.1	151	48.82	4.08	14.3	
Benzene	51.14	5.0	50	0	102	68.9	131	51.55	0.799	10	
Chlorobenzene	48.9	5.0	50	0	97.8	75.4	123	49.23	0.673	10	
Toluene	53.31	5.0	50	0	107	74.8	128	52.93	0.715	10	
Trichloroethene	52.12	5.0	50	0	104	66.3	145	51.89	0.442	11	
Surr: 4-Bromofluorobenzene	49.01	0	50	0	98	63.1	121	50.88	0	0	
Surr: Dibromofluoromethane	49.38	0	50	0	98.8	69.5	126	49.2	0	0	
Surr: Toluene-d8	52.24	0	50	0	104	74.2	120	52.01	0	0	

Sample ID MB-50541	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 10/9/2004	RunNo: 56561						
Client ID:	Batch ID: 50541	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.

Work Order: 0410380

Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50541

Sample ID MB-50541	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 10/9/2004	RunNo: 56561						
Client ID:	Batch ID: 50541	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
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E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50541

Sample ID MB-50541	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 10/9/2004	RunNo: 56561						
Client ID:	Batch ID: 50541	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual.
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	50.68	5.0	50	0	101	63.1	121	0	0		
Surr: Dibromofluoromethane	50.49	5.0	50	0	101	69.5	126	0	0		
Surr: Toluene-d8	52.93	5.0	50	0	106	74.2	120	0	0		

Sample ID MB-50541	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 10/9/2004	RunNo: 56562						
Client ID:	Batch ID: 50541	TestNo: SW8260B		Analysis Date: 10/9/2004	SeqNo: 1096143						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.

Work Order: 0410380

Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50541

Sample ID MB-50541	SampType: MBLK	TestCode: 8260B_W	Units: µg/L	Prep Date: 10/9/2004	RunNo: 56562						
Client ID:	Batch ID: 50541	TestNo: SW8260B		Analysis Date: 10/9/2004	SeqNo: 1096143						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloroethene, Total	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410380  
 Project: E4124

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50541

Sample ID	MB-50541	SampType:	MBLK	TestCode:	8260B_W	Units:	µg/L	Prep Date:	10/9/2004	RunNo:	56562		
Client ID:		Batch ID:	50541	TestNo:	SW8260B			Analysis Date:	10/9/2004	SeqNo:	1096143		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	5.0									
Surr: 4-Bromofluorobenzene	50.82	5.0	50	0	102	63.1	121	0	0		
Surr: Dibromofluoromethane	49.29	5.0	50	0	98.6	69.5	126	0	0		
Surr: Toluene-d8	52.5	5.0	50	0	105	74.2	120	0	0		

Sample ID	LCS-50541	SampType:	LCS	TestCode:	8260B_W	Units:	µg/L	Prep Date:	10/9/2004	RunNo:	56561		
Client ID:		Batch ID:	50541	TestNo:	SW8260B			Analysis Date:	10/11/2004	SeqNo:	1096137		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1-Dichloroethene	50.05	5.0	50	0	100	58.1	142	0	0		
Benzene	53.7	5.0	50	0	107	74	127	0	0		
Chlorobenzene	52.24	5.0	50	0	104	79.8	118	0	0		
Toluene	55.3	5.0	50	0	111	78.5	124	0	0		
Trichloroethene	53.88	5.0	50	0	108	74.2	138	0	0		
Surr: 4-Bromofluorobenzene	49.11	5.0	50	0	98.2	63.1	121	0	0		
Surr: Dibromofluoromethane	49.71	5.0	50	0	99.4	69.5	126	0	0		
Surr: Toluene-d8	51.88	5.0	50	0	104	74.2	120	0	0		

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 12, 2004

James Trichinotis  
Epic Consulting, Inc.  
1341 Canton Road  
Suite E  
Marietta, GA 30066  
TEL: (770) 528-0200  
FAX (770) 528-0201  
RE: E4124-Allene Ave.

Order No.: 0410430

Dear James Trichinotis:

Analytical Environmental Services, Inc. received 3 samples on 10/11/2004 11:45:00 AM for the analyses presented in the following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative. AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water, effective 06/01/04-04/30/05.
- AIHA Certification number 505 for analysis of Air, Paint Chips, Soil and Dust Wipes, effective until 02/01/07.

These results relate only to the items tested. This report may only be reproduced in full and contains 24 total pages (including cover letter).

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If you have any questions regarding these test results, please feel free to call.

Sincerely,

Allison Cantrell  
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3785 Peachtree Parkway, Atlanta GA 30340-3704

AES TEL: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order 1410430

Date 10/11/04 Page 1 of 1

COMPANY <b>Epic</b>		ADDRESS <b>1341 Canton Rd.</b>		ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers																	
PHONE <b>770-528-0200</b>		FAX <b>770-528-0201</b>		<table border="1"> <tr> <td>VOLs (8260)</td> <td>RCRA Metals</td> <td>PCBs (SW8062)</td> <td>PAHs (SW8270C)</td> <td>Pesticides (SW8061A)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>													VOLs (8260)	RCRA Metals	PCBs (SW8062)	PAHs (SW8270C)	Pesticides (SW8061A)												
VOLs (8260)	RCRA Metals	PCBs (SW8062)	PAHs (SW8270C)	Pesticides (SW8061A)																													
SAMPLED BY <b>J. Trichinotis</b>		SIGNATURE <i>J. Trichinotis</i>		PRESERVATION (See codes)										REMARKS																			
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	H/I	I	I	I	I																						
1	SB-4	10/8		X		GW	X	X	X	X	X																						
2	SB-5	↓		↓		↓	↓	↓	↓	↓	↓																						
3	SB-6	↓		↓		↓	↓	↓	↓	↓	↓																						
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RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION				RECEIPT	
1. <i>J. Trichinotis</i>		10/11/04		1. <i>[Signature]</i>		10-11-04 10 <sup>00</sup>		PROJECT NAME: <b>E4124 - Allene Ave.</b>				Total # of Containers	
2. <i>[Signature]</i>		10-11-04 11 <sup>45</sup>		2. <i>[Signature]</i>		10-11-04 10 <sup>45</sup>		PROJECT # <b>E4124</b>				Turnaround Time Request <input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input checked="" type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input type="radio"/> Other	
3.				3.				SITE ADDRESS					
SPECIAL INSTRUCTIONS/COMMENTS				SHIPMENT METHOD				SEND REPORT TO <b>James</b>				STATE PROGRAM (if any) E-mail? Y/N, Fax? Y/N DATA PACKAGE I II III IV	
Results <u>MUST</u> be received by tomorrow (AM)				OUT / / VIA IN / / VIA CLIENT FedEx UPS MAIL <u>COURIER</u> GREYHOUND OTHER				INVOICE TO (IF DIFFERENT FROM ABOVE)					
								QUOTE #					

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.  
 SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EPIC

Work Order Number 0410430

Checklist completed by A. West G 10/11/14  
Signature Date

Carrier name: FedEx ☐ UPS ☐ Courier ☒ Client ☐ US Mail ☐ Other ☐

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

Container/Temp Blank temperature in compliance? ( $4^{\circ}\text{C} \pm 2$ )\* Yes ☒ No ☐

Cooler #1 4°C Cooler #2 ☐ Cooler #3 ☐ Cooler #4 ☐ Cooler #5 ☐ Cooler #6 ☐

Chain of custody present? Yes ☒ No ☐

Chain of custody signed when relinquished and received? Yes ☐ No ☐

Chain of custody agrees with sample labels? Yes ☒ No ☐

Samples in proper container/bottle? Yes ☒ No ☐

Sample containers intact? Yes ☒ No ☐

Sufficient sample volume for indicated test? Yes ☒ No ☐

All samples received within holding time? Yes ☒ No ☐

Was TAT marked on the COC? Yes ☒ No ☐

Proceed with Standard TAT as per project history? Yes ☐ No ☐ Not Applicable ☒

Water - VOA vials have zero headspace? No VOA vials submitted ☐ Yes ☐ No ☒

Water - pH acceptable upon receipt? Yes ☒ No ☐ Not Applicable ☐

Adjusted? ☐ Checked by APR

Sample Condition: Good ☒ Other(Explain) ☐

(For diffusive samples or AIHA lead) Is a known blank included? Yes ☐ No ☒

See Case Narrative for resolution of the Non-Conformance.

\* Samples do not have to comply with the given range for certain parameters.

C:\Documents and Settings\Chemist\Desktop\SampleReceiptChecklistRptREV.rtf

**CLIENT:** Epic Consulting, Inc.  
**Project:** E4124-Allene Ave.  
**Lab Order:** 0410430

**CASE NARRATIVE**

PCB Analysis by Method 8082:

Matrix spike and matrix spike duplicate recoveries for Aroclor 1016 and the surrogate TCMX on sample 0410397-002B were outside control limits biased high. LCS recovery was within control limits indicating possible matrix interference.

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
Lab Order: 0410430  
Project: E4124-Allene Ave.  
Lab ID: 0410430-001

Client Sample ID: SB-4  
Collection Date: 10/8/2004

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>CHLORINATED PESTICIDES, TARGET COMPOUN</b>		<b>SW8081A</b>		<b>(SW3510B)</b>			<b>Analyst: WDP</b>
4,4'-DDD	BRL	0.10		µg/L	50509	1	10/11/2004 4:50:00 P
4,4'-DDE	BRL	0.10		µg/L	50509	1	10/11/2004 4:50:00 P
4,4'-DDT	BRL	0.10		µg/L	50509	1	10/11/2004 4:50:00 P
Aldrin	BRL	0.050		µg/L	50509	1	10/11/2004 4:50:00 P
alpha-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 4:50:00 P
alpha-Chlordane	BRL	0.050		µg/L	50509	1	10/11/2004 4:50:00 P
beta-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 4:50:00 P
delta-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 4:50:00 P
Dieldrin	BRL	0.10		µg/L	50509	1	10/11/2004 4:50:00 P
Endosulfan I	BRL	0.050		µg/L	50509	1	10/11/2004 4:50:00 P
Endosulfan II	BRL	0.10		µg/L	50509	1	10/11/2004 4:50:00 P
Endosulfan sulfate	BRL	0.10		µg/L	50509	1	10/11/2004 4:50:00 P
Endrin	BRL	0.10		µg/L	50509	1	10/11/2004 4:50:00 P
Endrin aldehyde	BRL	0.10		µg/L	50509	1	10/11/2004 4:50:00 P
Endrin ketone	BRL	0.10		µg/L	50509	1	10/11/2004 4:50:00 P
gamma-BHC	BRL	0.050		µg/L	50509	1	10/11/2004 4:50:00 P
gamma-Chlordane	BRL	0.050		µg/L	50509	1	10/11/2004 4:50:00 P
Heptachlor	BRL	0.050		µg/L	50509	1	10/11/2004 4:50:00 P
Heptachlor epoxide	BRL	0.050		µg/L	50509	1	10/11/2004 4:50:00 P
Methoxychlor	BRL	0.50		µg/L	50509	1	10/11/2004 4:50:00 P
Toxaphene	BRL	5.0		µg/L	50509	1	10/11/2004 4:50:00 P
Surr: Decachlorobiphenyl	25.3	10-121		%REC	50509	1	10/11/2004 4:50:00 P
Surr: Tetrachloro-m-xylene	79.0	10.9-125		%REC	50509	1	10/11/2004 4:50:00 P
<b>POLYCHLORINATED BIPHENYLS</b>		<b>SW8082</b>		<b>(SW3510B)</b>			<b>Analyst: WDP</b>
Aroclor 1016	BRL	1.0		µg/L	50510	1	10/12/2004 3:31:00 A
Aroclor 1221	BRL	1.0		µg/L	50510	1	10/12/2004 3:31:00 A
Aroclor 1232	BRL	1.0		µg/L	50510	1	10/12/2004 3:31:00 A
Aroclor 1242	BRL	1.0		µg/L	50510	1	10/12/2004 3:31:00 A
Aroclor 1248	BRL	1.0		µg/L	50510	1	10/12/2004 3:31:00 A
Aroclor 1254	BRL	1.0		µg/L	50510	1	10/12/2004 3:31:00 A
Aroclor 1260	BRL	1.0		µg/L	50510	1	10/12/2004 3:31:00 A
Surr: Decachlorobiphenyl	46.5	21.2-141		%REC	50510	1	10/12/2004 3:31:00 A
Surr: Tetrachloro-m-xylene	83.4	10.8-112		%REC	50510	1	10/12/2004 3:31:00 A
<b>METALS, TOTAL</b>		<b>SW6010B</b>		<b>(SW3010A)</b>			<b>Analyst: BB</b>
Arsenic	BRL	0.0500		mg/L	50547	1	10/11/2004 9:56:00 P
Barium	2.53	0.0200		mg/L	50547	1	10/11/2004 9:56:00 P
Cadmium	BRL	0.0050		mg/L	50547	1	10/11/2004 9:56:00 P
Chromium	0.466	0.0100		mg/L	50547	1	10/11/2004 9:56:00 P
Lead	0.534	0.0100		mg/L	50547	1	10/11/2004 9:56:00 P

Qualifiers: \* Value exceeds Maximum Contaminant Level  
BRL Below Reporting Limit  
H Holding times for preparation or analysis exceeded  
N Analyte not NELAC certified  
Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P NELAC analyte certification pending  
S Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
Lab Order: 0410430  
Project: E4124-Allene Ave.  
Lab ID: 0410430-001

Client Sample ID: SB-4  
Collection Date: 10/8/2004

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>METALS, TOTAL</b>		<b>SW6010B</b>			<b>(SW3010A)</b>		<b>Analyst: BB</b>
Selenium	BRL	0.0200		mg/L	50547	1	10/11/2004 9:56:00 P
Silver	BRL	0.0100		mg/L	50547	1	10/11/2004 9:56:00 P
<b>MERCURY, TOTAL</b>		<b>SW7470A</b>			<b>(SW7470A)</b>		<b>Analyst: EM</b>
Mercury	BRL	0.00020		mg/L	50551	1	10/12/2004 9:49:48 A
<b>POLYAROMATIC HYDROCARBONS</b>		<b>SW8270C</b>			<b>(SW3535)</b>		<b>Analyst: EP</b>
Naphthalene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Acenaphthylene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
1-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
2-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Acenaphthene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Fluorene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Phenanthrene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Anthracene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Pyrene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Benz(a)anthracene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Chrysene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Benzo(b)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Benzo(k)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Benzo(a)pyrene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Dibenz(a,h)anthracene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Benzo(g,h,i)perylene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	50525	1	10/11/2004 8:05:00 P
Surr: Nitrobenzene-d5	92.1	32.3-136		%REC	50525	1	10/11/2004 8:05:00 P
Surr: 2-Fluorobiphenyl	86.9	37-135		%REC	50525	1	10/11/2004 8:05:00 P
Surr: 4-Terphenyl-d14	99.5	21.9-145		%REC	50525	1	10/11/2004 8:05:00 P
<b>TCL VOLATILE ORGANICS</b>		<b>SW8260B</b>			<b>(SW5030B)</b>		<b>Analyst: AD</b>
1,1,1-Trichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,1,2-Trichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,1-Dichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,1-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2-Dibromoethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2-Dichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,2-Dichloropropane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
1,3-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P

Qualifiers: \* Value exceeds Maximum Contaminant Level  
BRL Below Reporting Limit  
H Holding times for preparation or analysis exceeded  
N Analyte not NELAC certified  
Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P NELAC analyte certification pending  
S Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
Lab Order: 0410430  
Project: E4124-Allene Ave.  
Lab ID: 0410430-001

Client Sample ID: SB-4  
Collection Date: 10/8/2004

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B		(SW5030B)	Analyst: AD		
1,4-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
2-Butanone	BRL	10		µg/L	50552	1	10/11/2004 4:00:00 P
2-Hexanone	BRL	10		µg/L	50552	1	10/11/2004 4:00:00 P
4-Methyl-2-pentanone	BRL	10		µg/L	50552	1	10/11/2004 4:00:00 P
Acetone	BRL	20		µg/L	50552	1	10/11/2004 4:00:00 P
Benzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Bromodichloromethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Bromoform	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Bromomethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Carbon disulfide	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Carbon tetrachloride	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Chlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Chloroethane	BRL	10		µg/L	50552	1	10/11/2004 4:00:00 P
Chloroform	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Chloromethane	BRL	10		µg/L	50552	1	10/11/2004 4:00:00 P
cis-1,2-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
cis-1,3-Dichloropropene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Cyclohexane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Dibromochloromethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Dichlorodifluoromethane	BRL	10		µg/L	50552	1	10/11/2004 4:00:00 P
Ethylbenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Freon-113	BRL	10		µg/L	50552	1	10/11/2004 4:00:00 P
Isopropylbenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
m,p-Xylene	BRL	10		µg/L	50552	1	10/11/2004 4:00:00 P
Methyl acetate	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Methyl tert-butyl ether	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Methylcyclohexane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Methylene chloride	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
o-Xylene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Styrene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Tetrachloroethene	10	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Toluene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
trans-1,2-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
trans-1,3-Dichloropropene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Trichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Trichlorofluoromethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:00:00 P
Vinyl chloride	BRL	2.0		µg/L	50552	1	10/11/2004 4:00:00 P
Surr: 4-Bromofluorobenzene	100	63.1-121		%REC	50552	1	10/11/2004 4:00:00 P
Surr: Dibromofluoromethane	103	69.5-126		%REC	50552	1	10/11/2004 4:00:00 P
Surr: Toluene-d8	106	74.2-120		%REC	50552	1	10/11/2004 4:00:00 P

Qualifiers:

- Value exceeds Maximum Contaminant Level
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P NELAC analyte certification pending

S Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
Lab Order: 0410430  
Project: E4124-Allene Ave.  
Lab ID: 0410430-002

Client Sample ID: SB-5  
Collection Date: 10/8/2004

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>POLYCHLORINATED BIPHENYLS</b>							
		<b>SW8082</b>			<b>(SW3510B)</b>		Analyst: WDP
Aroclor 1016	BRL	1.0		µg/L	50510	1	10/12/2004 4:01:00 A
Aroclor 1221	BRL	1.0		µg/L	50510	1	10/12/2004 4:01:00 A
Aroclor 1232	BRL	1.0		µg/L	50510	1	10/12/2004 4:01:00 A
Aroclor 1242	BRL	1.0		µg/L	50510	1	10/12/2004 4:01:00 A
Aroclor 1248	BRL	1.0		µg/L	50510	1	10/12/2004 4:01:00 A
Aroclor 1254	BRL	1.0		µg/L	50510	1	10/12/2004 4:01:00 A
Aroclor 1260	BRL	1.0		µg/L	50510	1	10/12/2004 4:01:00 A
Surr: Decachlorobiphenyl	78.1	21.2-141		%REC	50510	1	10/12/2004 4:01:00 A
Surr: Tetrachloro-m-xylene	92.8	10.8-112		%REC	50510	1	10/12/2004 4:01:00 A
<b>METALS, TOTAL</b>							
		<b>SW6010B</b>			<b>(SW3010A)</b>		Analyst: BB
Arsenic	BRL	0.0500		mg/L	50547	1	10/11/2004 10:01:00 I
Barium	8.73	0.0200		mg/L	50547	1	10/11/2004 10:01:00 I
Cadmium	BRL	0.0050		mg/L	50547	1	10/11/2004 10:01:00 I
Chromium	1.16	0.0100		mg/L	50547	1	10/11/2004 10:01:00 I
Lead	0.685	0.0100		mg/L	50547	1	10/11/2004 10:01:00 I
Selenium	BRL	0.0200		mg/L	50547	1	10/11/2004 10:01:00 I
Silver	BRL	0.0100		mg/L	50547	1	10/11/2004 10:01:00 I
<b>MERCURY, TOTAL</b>							
		<b>SW7470A</b>			<b>(SW7470A)</b>		Analyst: EM
Mercury	BRL	0.00020		mg/L	50551	1	10/12/2004 9:51:38 A
<b>POLYAROMATIC HYDROCARBONS</b>							
		<b>SW8270C</b>			<b>(SW3535)</b>		Analyst: EP
Naphthalene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Acenaphthylene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
1-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
2-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Acenaphthene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Fluorene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Phenanthrene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Anthracene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Pyrene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Benz(a)anthracene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Chrysene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Benzo(b)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Benzo(k)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Benzo(a)pyrene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Dibenz(a,h)anthracene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Benzo(g,h,i)perylene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	50525	1	10/11/2004 8:36:00 P
Surr: Nitrobenzene-d5	85.6	32.3-136		%REC	50525	1	10/11/2004 8:36:00 P

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
Lab Order: 0410430  
Project: E4124-Allene Ave.  
Lab ID: 0410430-002

Client Sample ID: SB-5  
Collection Date: 10/8/2004

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>POLYAROMATIC HYDROCARBONS</b>		<b>SW8270C</b>		<b>(SW3535)</b>		<b>Analyst: EP</b>	
Surr: 2-Fluorobiphenyl	87.8	37-135	%REC		50525	1	10/11/2004 8:36:00 P
Surr: 4-Terphenyl-d14	99.3	21.9-145	%REC		50525	1	10/11/2004 8:36:00 P
<b>TCL VOLATILE ORGANICS</b>		<b>SW8260B</b>		<b>(SW5030B)</b>		<b>Analyst: AD</b>	
1,1,1-Trichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,1,2-Trichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,1-Dichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,1-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,2-Dibromoethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,2-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,2-Dichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,2-Dichloropropane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,3-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
1,4-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
2-Butanone	BRL	10		µg/L	50552	1	10/11/2004 4:28:00 P
2-Hexanone	BRL	10		µg/L	50552	1	10/11/2004 4:28:00 P
4-Methyl-2-pentanone	BRL	10		µg/L	50552	1	10/11/2004 4:28:00 P
Acetone	BRL	20		µg/L	50552	1	10/11/2004 4:28:00 P
Benzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Bromodichloromethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Bromoform	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Bromomethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Carbon disulfide	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Carbon tetrachloride	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Chlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Chloroethane	BRL	10		µg/L	50552	1	10/11/2004 4:28:00 P
Chloroform	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Chloromethane	BRL	10		µg/L	50552	1	10/11/2004 4:28:00 P
cis-1,2-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
cis-1,3-Dichloropropene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Cyclohexane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Dibromochloromethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Dichlorodifluoromethane	BRL	10		µg/L	50552	1	10/11/2004 4:28:00 P
Ethylbenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Freon-113	BRL	10		µg/L	50552	1	10/11/2004 4:28:00 P
Isopropylbenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
m,p-Xylene	BRL	10		µg/L	50552	1	10/11/2004 4:28:00 P
Methyl acetate	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N	Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit	Reporting Limit	S	Spike Recovery outside accepted recovery limits

**Analytical Environmental Services, Inc.**

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.

Client Sample ID: SB-5

Lab Order: 0410430

Collection Date: 10/8/2004

Project: E4124-Allene Ave.

Lab ID: 0410430-002

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B		(SW5030B)			Analyst: AD
Methyl tert-butyl ether	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Methylcyclohexane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Methylene chloride	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
o-Xylene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Styrene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Tetrachloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Toluene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
trans-1,2-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
trans-1,3-Dichloropropene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Trichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Trichlorofluoromethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:28:00 P
Vinyl chloride	BRL	2.0		µg/L	50552	1	10/11/2004 4:28:00 P
Surr: 4-Bromofluorobenzene	100	63.1-121		%REC	50552	1	10/11/2004 4:28:00 P
Surr: Dibromofluoromethane	102	69.6-126		%REC	50552	1	10/11/2004 4:28:00 P
Surr: Toluene-d8	106	74.2-120		%REC	50552	1	10/11/2004 4:28:00 P

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P NELAC analyte certification pending

S Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.  
Lab Order: 0410430  
Project: E4124-Allene Ave.  
Lab ID: 0410430-003

Client Sample ID: SB-6  
Collection Date: 10/8/2004

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
<b>METALS, TOTAL</b>		<b>SW6010B</b>			<b>(SW3010A)</b>		<b>Analyst: BB</b>
Selenium	BRL	0.0200		mg/L	50547	1	10/11/2004 9:43:00 P
Silver	BRL	0.0100		mg/L	50547	1	10/11/2004 9:43:00 P
<b>MERCURY, TOTAL</b>		<b>SW7470A</b>			<b>(SW7470A)</b>		<b>Analyst: EM</b>
Mercury	BRL	0.00020		mg/L	50551	1	10/12/2004 9:57:14 A
<b>POLYAROMATIC HYDROCARBONS</b>		<b>SW8270C</b>			<b>(SW3535)</b>		<b>Analyst: EP</b>
Naphthalene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Acenaphthylene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
1-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
2-Methylnaphthalene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Acenaphthene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Fluorene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Phenanthrene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Anthracene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Pyrene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Benz(a)anthracene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Chrysene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Benzo(b)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Benzo(k)fluoranthene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Benzo(a)pyrene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Dibenz(a,h)anthracene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Benzo(g,h,i)perylene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Indeno(1,2,3-cd)pyrene	BRL	10		µg/L	50525	1	10/11/2004 9:08:00 P
Surr: Nitrobenzene-d5	85.9	32.3-136		%REC	50525	1	10/11/2004 9:08:00 P
Surr: 2-Fluorobiphenyl	85.6	37-135		%REC	50525	1	10/11/2004 9:08:00 P
Surr: 4-Terphenyl-d14	96.1	21.9-145		%REC	50525	1	10/11/2004 9:08:00 P
<b>TCL VOLATILE ORGANICS</b>		<b>SW8260B</b>			<b>(SW5030B)</b>		<b>Analyst: AD</b>
1,1,1-Trichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,1,2,2-Tetrachloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,1,2-Trichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,1-Dichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,1-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2,4-Trichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2-Dibromo-3-chloropropane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2-Dibromoethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2-Dichloroethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,2-Dichloropropane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
1,3-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P

Qualifiers:	• Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	BRL Below Reporting Limit	E	Value above quantitation range
	H Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	N Analyte not NELAC certified	P	NELAC analyte certification pending
	Rpt Limit Reporting Limit	S	Spike Recovery outside accepted recovery limits

# Analytical Environmental Services, Inc.

Date: 12-Oct-04

CLIENT: Epic Consulting, Inc.

Client Sample ID: SB-6

Lab Order: 0410430

Collection Date: 10/8/2004

Project: E4124-Allene Ave.

Lab ID: 0410430-003

Matrix: GROUNDWATER

Analyses	Result	Rpt. Limit	Qual	Units	BatchID	DF	Date Analyzed
TCL VOLATILE ORGANICS		SW8260B		(SW5030B)			Analyst: AD
1,4-Dichlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
2-Butanone	BRL	10		µg/L	50552	1	10/11/2004 4:55:00 P
2-Hexanone	BRL	10		µg/L	50552	1	10/11/2004 4:55:00 P
4-Methyl-2-pentanone	BRL	10		µg/L	50552	1	10/11/2004 4:55:00 P
Acetone	BRL	20		µg/L	50552	1	10/11/2004 4:55:00 P
Benzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Bromodichloromethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Bromoform	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Bromomethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Carbon disulfide	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Carbon tetrachloride	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Chlorobenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Chloroethane	BRL	10		µg/L	50552	1	10/11/2004 4:55:00 P
Chloroform	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Chloromethane	BRL	10		µg/L	50552	1	10/11/2004 4:55:00 P
cis-1,2-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
cis-1,3-Dichloropropene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Cyclohexane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Dibromochloromethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Dichlorodifluoromethane	BRL	10		µg/L	50552	1	10/11/2004 4:55:00 P
Ethylbenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Freon-113	BRL	10		µg/L	50552	1	10/11/2004 4:55:00 P
Isopropylbenzene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
m,p-Xylene	BRL	10		µg/L	50552	1	10/11/2004 4:55:00 P
Methyl acetate	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Methyl tert-butyl ether	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Methylcyclohexane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Methylene chloride	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
o-Xylene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Styrene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Tetrachloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Toluene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
trans-1,2-Dichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
trans-1,3-Dichloropropene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Trichloroethene	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Trichlorofluoromethane	BRL	5.0		µg/L	50552	1	10/11/2004 4:55:00 P
Vinyl chloride	BRL	2.0		µg/L	50552	1	10/11/2004 4:55:00 P
Surr: 4-Bromofluorobenzene	99.8	63.1-121		%REC	50552	1	10/11/2004 4:55:00 P
Surr: Dibromofluoromethane	102	69.5-126		%REC	50552	1	10/11/2004 4:55:00 P
Surr: Toluene-d8	107	74.2-120		%REC	50552	1	10/11/2004 4:55:00 P

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- BRL Below Reporting Limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- Rpt Limit Reporting Limit

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P NELAC analyte certification pending

S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50509

Sample ID MB-50509	SampType: MBLK	TestCode: 8081_TCL_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56577						
Client ID:	Batch ID: 50509	TestNo: SW8081A		Analysis Date: 10/11/2004	SeqNo: 1096448						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	BRL	0.10									
4,4'-DDE	BRL	0.10									
4,4'-DDT	BRL	0.10									
Aldrin	BRL	0.050									
alpha-BHC	BRL	0.050									
alpha-Chlordane	BRL	0.050									
beta-BHC	BRL	0.050									
delta-BHC	BRL	0.050									
Dieldrin	BRL	0.10									
Endosulfan I	BRL	0.050									
Endosulfan II	BRL	0.10									
Endosulfan sulfate	BRL	0.10									
Endrin	BRL	0.10									
Endrin aldehyde	BRL	0.10									
Endrin ketone	BRL	0.10									
gamma-BHC	BRL	0.050									
gamma-Chlordane	BRL	0.050									
Heptachlor	BRL	0.050									
Heptachlor epoxide	BRL	0.050									
Methoxychlor	BRL	0.50									
Toxaphene	BRL	5.0									
Surr: Decachlorobiphenyl	0.3795	0	0.5	0	75.9	10	121	0	0		
Surr: Tetrachloro-m-xylene	0.1996	0	0.5	0	39.9	10.9	125	0	0		

Sample ID 0410430-002B	SampType: MBLK	TestCode: 8081_TCL_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56577						
Client ID: SB-5	Batch ID: 50509	TestNo: SW8081A		Analysis Date: 10/11/2004	SeqNo: 1096595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	BRL	0.10	0	0	0	0	0	0	0		

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 R RPD outside accepted recovery limits

BRL Below Reporting Limit  
 J Analyte detected below quantitation limits  
 S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
 N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50509

Sample ID 0410430-002B	SampType: MBLK	TestCode: 8081_TCL_W Units: µg/L			Prep Date: 10/11/2004			RunNo: 56577			
Client ID: SB-5	Batch ID: 50509	TestNo: SW8081A			Analysis Date: 10/11/2004			SeqNo: 1096595			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDE	BRL	0.10	0	0	0	0	0	0	0		
4,4'-DDT	BRL	0.10	0	0	0	0	0	0	0		
Aldrin	BRL	0.050	0	0	0	0	0	0	0		
alpha-BHC	BRL	0.050	0	0	0	0	0	0	0		
alpha-Chlordane	BRL	0.050	0	0	0	0	0	0	0		
beta-BHC	BRL	0.050	0	0	0	0	0	0	0		
delta-BHC	BRL	0.050	0	0	0	0	0	0	0		
Dieldrin	BRL	0.10	0	0	0	0	0	0	0		
Endosulfan I	BRL	0.050	0	0	0	0	0	0	0		
Endosulfan II	BRL	0.10	0	0	0	0	0	0	0		
Endosulfan sulfate	BRL	0.10	0	0	0	0	0	0	0		
Endrin	BRL	0.10	0	0	0	0	0	0	0		
Endrin aldehyde	BRL	0.10	0	0	0	0	0	0	0		
Endrin ketone	BRL	0.10	0	0	0	0	0	0	0		
gamma-BHC	BRL	0.050	0	0	0	0	0	0	0		
gamma-Chlordane	BRL	0.050	0	0	0	0	0	0	0		
Heptachlor	BRL	0.050	0	0	0	0	0	0	0		
Heptachlor epoxide	BRL	0.050	0	0	0	0	0	0	0		
Methoxychlor	BRL	0.50	0	0	0	0	0	0	0		
Toxaphene	BRL	5.0	0	0	0	0	0	0	0		
Surr: Decachlorobiphenyl	0.2624	0	0.5	0	52.5	10	121	0	0		
Surr: Tetrachloro-m-xylene	0.4514	0	0.5	0	90.3	10.9	125	0	0		

Sample ID	LCS-50509	SampType:	LCS	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577	
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096449	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT		1.093	0.10	1	0	109	49.9	150	0	0		
Aldrin		0.7901	0.050	1	0	79	41.5	135	0	0		
Dieldrin		1.012	0.10	1	0	101	63.3	143	0	0		
Endrin		1.07	0.10	1	0	107	51.8	144	0	0		

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	II	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50509

Sample ID	LCS-50509	SampType:	LCS	TestCode:	8081_TCL_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56577	
Client ID:		Batch ID:	50509	TestNo:	SW8081A			Analysis Date:	10/11/2004	SeqNo:	1096449	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
gamma-BHC		0.9138	0.050	1	0	91.4	44.7	127	0	0		
Heptachlor		0.7915	0.050	1	0	79.1	40.5	122	0	0		
Surr: Decachlorobiphenyl		0.4044	0	0.5	0	80.9	10	121	0	0		
Surr: Tetrachloro-m-xylene		0.3614	0	0.5	0	72.3	10.9	125	0	0		

Sample ID 0410397-001BMS	SampType: MS	TestCode: 8081_TCL_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56577						
Client ID:	Batch ID: 50509	TestNo: SW8081A		Analysis Date: 10/11/2004	SeqNo: 1096451						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.9269	0.10	1	0	92.7	56.3	134	0	0		
Aldrin	0.7744	0.050	1	0	77.4	55	127	0	0		
Dieldrin	0.9588	0.10	1	0	95.9	66.1	142	0	0		
Endrin	1.023	0.10	1	0	102	50	148	0	0		
gamma-BHC	0.8497	0.050	1	0	85	52.1	124	0	0		
Heptachlor	0.8221	0.050	1	0	82.2	43.2	131	0	0		
Surr: Decachlorobiphenyl	0.2224	0	0.5	0	44.5	10	121	0	0		
Surr: Tetrachloro-m-xylene	0.3223	0	0.5	0	64.5	10.9	125	0	0		

Sample ID 0410397-001BMSD	SampType: MSD	TestCode: 8081_TCL_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56577						
Client ID:	Batch ID: 50509	TestNo: SW8081A		Analysis Date: 10/11/2004	SeqNo: 1096486						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	0.9184	0.10	1	0	91.8	56.3	134	0.9269	0.924	16.9	
Aldrin	0.7788	0.050	1	0	77.9	55	127	0.7744	0.572	24.9	
Dieldrin	0.9769	0.10	1	0	97.7	66.1	142	0.9588	1.87	16.1	
Endrin	1.03	0.10	1	0	103	50	148	1.023	0.669	16.6	
gamma-BHC	0.8554	0.050	1	0	85.5	52.1	124	0.8497	0.670	25.6	
Heptachlor	0.8272	0.050	1	0	82.7	43.2	131	0.8221	0.618	24.2	
Surr: Decachlorobiphenyl	0.2201	0	0.5	0	44	10	121	0.2224	0	0	
Surr: Tetrachloro-m-xylene	0.327	0	0.5	0	65.4	10.9	125	0.3223	0	0	

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50510

Sample ID	MB-50510	SampType:	MBLK	TestCode:	8082_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56587		
Client ID:		Batch ID:	50510	TestNo:	SW8082			Analysis Date:	10/11/2004	SeqNo:	1096823		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	BRL	1.0									
Aroclor 1221	BRL	1.0									
Aroclor 1232	BRL	1.0									
Aroclor 1242	BRL	1.0									
Aroclor 1248	BRL	1.0									
Aroclor 1254	BRL	1.0									
Aroclor 1260	BRL	1.0									
Surr: Decachlorobiphenyl	0.3898	0	0.5	0	78	21.2	141	0	0		
Surr: Tetrachloro-m-xylene	0.2019	0	0.5	0	40.4	10.8	112	0	0		

Sample ID	LCS-50510	SampType:	LCS	TestCode:	8082_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56587			
Client ID:		Batch ID:	50510	TestNo:	SW8082			Analysis Date:	10/11/2004	SeqNo:	1096824			
Analyte		Result		PQL	SPK Value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	4.731	1.0	5	0	94.6	53.8	115	0	0		
Aroclor 1260	4.733	1.0	5	0	94.7	64.9	115	0	0		
Surr: Decachlorobiphenyl	0.3756	0	0.5	0	75.1	21.2	141	0	0		
Surr: Tetrachloro-m-xylene	0.35	0	0.5	0	70	10.8	112	0	0		

Sample ID 0410397-002BMS	SampType: MS	TestCode: 8082_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56587						
Client ID:	Batch ID: 50510	TestNo: SW8082		Analysis Date: 10/12/2004	SeqNo: 1096826						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	6.094	1.0	5	0	122	51.8	118	0	0		S
Aroclor 1260	4.948	1.0	5	0	99	45.5	116	0	0		
Surr: Decachlorobiphenyl	0.4807	0	0.5	0	96.1	21.2	141	0	0		
Surr: Tetrachloro-m-xylene	0.6582	0	0.5	0	132	10.8	112	0	0		S

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
Work Order: 0410430  
Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50510

Sample ID: 0410397-002BMSD	SampType: MSD	TestCode: 8082_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56587						
Client ID:	Batch ID: 50510	TestNo: SW8082		Analysis Date: 10/12/2004	SeqNo: 1096827						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	5.922	1.0	5	0	118	51.8	118	6.094	2.86	40	S
Aroclor 1260	4.718	1.0	5	0	94.4	45.5	116	4.948	4.75	20.1	
Surr: Decachlorobiphenyl	0.5256	0	0.5	0	105	21.2	141	0.4807	0	0	
Surr: Tetrachloro-m-xylene	0.6993	0	0.5	0	140	10.8	112	0.6582	0	0	S

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID MB-50525	SampType: MBLK	TestCode: 8270_PAH_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56595						
Client ID:	Batch ID: 50525	TestNo: SW8270C		Analysis Date: 10/11/2004	SeqNo: 1096813						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1-Methylnaphthalene	BRL	10									
2-Methylnaphthalene	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Chrysene	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Naphthalene	BRL	10									
Phenanthrene	BRL	10									
Pyrene	BRL	10									
Surr: 2-Fluorobiphenyl	42.78	0	50	0	85.6	37	135	0	0		
Surr: 4-Terphenyl-d14	48.57	0	50	0	97.1	21.9	145	0	0		
Surr: Nitrobenzene-d5	46.06	0	50	0	92.1	32.3	136	0	0		

Sample ID	LCS-50525	SampType: LCS	TestCode: 8270_PAH_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56595					
Client ID:		Batch ID: 50525	TestNo: SW8270C		Analysis Date: 10/11/2004	SeqNo: 1096814					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	42.56	10	50	0	85.1	57	120	0	0		
Acenaphthylene	43	10	50	0	86	57.4	130	0	0		
Anthracene	46.11	10	50	0	92.2	53.8	145	0	0		
Benz(a)anthracene	44.75	10	50	0	89.5	60.3	132	0	0		
Benzo(a)pyrene	44.2	10	50	0	88.4	49.3	141	0	0		

**Qualifiers:** B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID	LCS-50525	SampType:	LCS	TestCode:	8270_PAH_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56595
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096814
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	44.39	10	50	0	88.8	56.5	131	0	0		
Benzo(g,h,i)perylene	50.49	10	50	0	101	41.9	144	0	0		
Benzo(k)fluoranthene	45.79	10	50	0	91.6	50.6	137	0	0		
Chrysene	44.67	10	50	0	89.3	62.5	129	0	0		
Dibenz(a,h)anthracene	49.68	10	50	0	99.4	41.4	141	0	0		
Fluoranthene	45.08	10	50	0	90.2	66.7	128	0	0		
Fluorene	42.91	10	50	0	85.8	62.4	124	0	0		
Indeno(1,2,3-cd)pyrene	48.78	10	50	0	97.6	46.7	138	0	0		
Naphthalene	41.07	10	50	0	82.1	50	120	0	0		
Phenanthrene	44.77	10	50	0	89.5	66.8	124	0	0		
Pyrene	46.67	10	50	0	93.3	62.4	127	0	0		
Surr: 2-Fluorobiphenyl	41.47	0	50	0	82.9	37	135	0	0		
Surr: 4-Terphenyl-d14	47.59	0	50	0	95.2	21.9	145	0	0		
Surr: Nitrobenzene-d5	29.72	0	50	0	59.4	32.3	136	0	0		

Sample ID	0410356-002BMS	SampType:	MS	TestCode:	8270_PAH_W	Units:	µg/L	Prep Date:	10/11/2004	RunNo:	56595
Client ID:		Batch ID:	50525	TestNo:	SW8270C			Analysis Date:	10/11/2004	SeqNo:	1096817
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	82.28	20	100	0	82.3	47.9	127	0	0		
Acenaphthylene	82.68	20	100	0	82.7	52.5	133	0	0		
Anthracene	89.72	20	100	0	89.7	55	140	0	0		
Benz(a)anthracene	88.2	20	100	0	88.2	56	131	0	0		
Benzo(a)pyrene	84.2	20	100	0	84.2	49.3	135	0	0		
Benzo(b)fluoranthene	84.44	20	100	0	84.4	48.2	133	0	0		
Benzo(g,h,i)perylene	92.18	20	100	0	92.2	42.4	141	0	0		
Benzo(k)fluoranthene	91.6	20	100	0	91.6	44.3	134	0	0		
Chrysene	88.82	20	100	0	88.8	54.5	130	0	0		
Dibenz(a,h)anthracene	94.68	20	100	0	94.7	42.7	138	0	0		
Fluoranthene	89.84	20	100	0	89.8	59.9	128	0	0		
Fluorene	82.58	20	100	0	82.6	56.4	128	0	0		

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	II	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50525

Sample ID 0410356-002BMS	SampType: MS	TestCode: 8270_PAH_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56595						
Client ID:	Batch ID: 50525	TestNo: SW8270C		Analysis Date: 10/11/2004	SeqNo: 1096817						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	91.66	20	100	0	91.7	43.5	138	0	0		
Naphthalene	79.24	20	100	0	79.2	47.1	127	0	0		
Phenanthrene	86.98	20	100	0	87	60.2	127	0	0		
Pyrene	91.52	20	100	0	91.5	55.7	129	0	0		
Surr: 2-Fluorobiphenyl	83.4	0	100	0	83.4	37	135	0	0		
Surr: 4-Terphenyl-d14	90.68	0	100	0	90.7	21.9	145	0	0		
Surr: Nitrobenzene-d5	85.28	0	100	0	85.3	32.3	136	0	0		

Sample ID 0410356-002BMSD	SampType: MSD	TestCode: 8270_PAH_W	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56595						
Client ID:	Batch ID: 50525	TestNo: SW8270C		Analysis Date: 10/11/2004	SeqNo: 1096818						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	85.1	20	100	0	85.1	47.9	127	82.28	3.37	19.6	
Acenaphthylene	85.64	20	100	0	85.6	52.5	133	82.68	3.52	19.5	
Anthracene	94.32	20	100	0	94.3	55	140	89.72	5.00	19.4	
Benz(a)anthracene	89.78	20	100	0	89.8	56	131	88.2	1.78	19.6	
Benzo(a)pyrene	85.86	20	100	0	85.9	49.3	135	84.2	1.95	19.6	
Benzo(b)fluoranthene	85.8	20	100	0	85.8	48.2	133	84.44	1.60	22	
Benzo(g,h,i)perylene	93.78	20	100	0	93.8	42.4	141	92.18	1.72	20.7	
Benzo(k)fluoranthene	92.84	20	100	0	92.8	44.3	134	91.6	1.34	23.9	
Chrysene	90.02	20	100	0	90	54.5	130	88.82	1.34	19.7	
Dibenz(a,h)anthracene	95.98	20	100	0	96	42.7	138	94.68	1.36	20.7	
Fluoranthene	91.76	20	100	0	91.8	59.9	128	89.84	2.11	19.5	
Fluorene	86.42	20	100	0	86.4	56.4	128	82.58	4.54	20.6	
Indeno(1,2,3-cd)pyrene	93.28	20	100	0	93.3	43.5	138	91.66	1.75	20.8	
Naphthalene	82.02	20	100	0	82	47.1	127	79.24	3.45	24.2	
Phenanthrene	90.18	20	100	0	90.2	60.2	127	86.98	3.61	18.8	
Pyrene	93.32	20	100	0	93.3	55.7	129	91.52	1.95	18.5	
Surr: 2-Fluorobiphenyl	85.38	0	100	0	85.4	37	135	83.4	0	0	
Surr: 4-Terphenyl-d14	90.56	0	100	0	90.6	21.9	145	90.68	0	0	
Surr: Nitrobenzene-d5	87.18	0	100	0	87.2	32.3	136	85.28	0	0	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	II	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50547

Sample ID	MB-50547	SampType:	MBLK	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567		
Client ID:		Batch ID:	50547	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096770		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	BRL	0.0500									
Barium	BRL	0.0200									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0100									
Lead	BRL	0.0100									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									

Sample ID	LCS-50547	SampType:	LCS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567			
Client ID:		Batch ID:	50547	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096769			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.9931	0.0500	1	0	99.3	85	115	0	0		
Barium	1.006	0.0200	1	0	101	85	115	0	0		
Cadmium	0.9933	0.00500	1	0	99.3	85	115	0	0		
Chromium	0.9989	0.0100	1	0	99.9	85	115	0	0		
Lead	0.9813	0.0100	1	0	98.1	85	115	0	0		
Selenium	1.008	0.0200	1	0	101	85	115	0	0		
Silver	0.1059	0.0100	0.1	0	106	85	115	0	0		

Sample ID	0410430-003CMS	SampType:	MS	TestCode:	6010B_W_T	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56567			
Client ID:	SB-6	Batch ID:	50547	TestNo:	SW6010B			Analysis Date:	10/11/2004	SeqNo:	1096773			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.9935	0.0500	1	0	99.4	75	125	0	0		
Barium	1.09	0.0200	1	0.08536	100	75	125	0	0		
Cadmium	0.9963	0.00500	1	0.0003	99.6	75	125	0	0		
Chromium	1.006	0.0100	1	0.00283	100	75	125	0	0		
Lead	0.9774	0.0100	1	0	97.7	75	125	0	0		
Selenium	1.006	0.0200	1	0	101	75	125	0	0		
Silver	0.1056	0.0100	0.1	0	106	75	125	0	0		

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Epic Consulting, Inc.  
Work Order: 0410430  
Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50547

Sample ID 0410430-003CDUP	SampType: DUP	TestCode: 6010B_W_T	Units: mg/L	Prep Date: 10/11/2004	RunNo: 56567						
Client ID: SB-6	Batch ID: 50547	TestNo: SW6010B		Analysis Date: 10/11/2004	SeqNo: 1096772						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	BRL	0.0500	0	0	0	0	0	0	0	20	
Barium	0.08469	0.0200	0	0	0	0	0	0.08536	0.788	20	
Cadmium	BRL	0.00500	0	0	0	0	0	0.0003	0	20	
Chromium	BRL	0.0100	0	0	0	0	0	0.00283	0	20	
Lead	BRL	0.0100	0	0	0	0	0	0	0	20	
Selenium	BRL	0.0200	0	0	0	0	0	0	0	20	
Silver	BRL	0.0100	0	0	0	0	0	0	0	20	

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits

BRL Below Reporting Limit  
J Analyte detected below quantitation limits  
S Spike Recovery outside accepted recovery limits

E Value above quantitation range  
N Analyte not NELAC certified

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50551

Sample ID	MB-50551	SampType: MBLK	TestCode: 245.1_W	Units: mg/L	Prep Date: 10/11/2004	RunNo: 56593						
Client ID:		Batch ID: 50551	TestNo: E245.1		Analysis Date: 10/12/2004	SeqNo: 1097003						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury BRL 0.000200

Sample ID	LCS-50551	SampType:	LCS	TestCode:	245.1_W	Units:	mg/L	Prep Date:	10/11/2004	RunNo:	56593		
Client ID:		Batch ID:	50551	TestNo:	E245.1			Analysis Date:	10/12/2004	SeqNo:	1097004		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.004827 0.000200 0.005 0 96.5 85 115 0 0

Sample ID 0410439-001EMS	SampType: MS	TestCode: 245.1_W	Units: mg/L	Prep Date: 10/11/2004	RunNo: 56593						
Client ID:	Batch ID: 50551	TestNo: E245.1		Analysis Date: 10/12/2004	SeqNo: 1097006						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.004907 0.000200 0.005 0.00007033 96.7 70 130 0 0

Sample ID 0410439-001EMSD	SampType: MSD	TestCode: 245.1_W	Units: mg/L	Prep Date: 10/11/2004	RunNo: 56593						
Client ID:	Batch ID: 50551	TestNo: E245.1		Analysis Date: 10/12/2004	SeqNo: 1097007						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.004903 0.000200 0.005 0.00007033 96.6 70 130 0.004907 0.0806 20

**Qualifiers:** B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50552

Sample ID MB-50552	SampType: MBLK	TestCode: 8260_TCL4.2	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56598						
Client ID:	Batch ID: 50552	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096895						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	N	Analyte not NELAC certified
	R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits		

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50552

Sample ID MB-50552	SampType: MBLK	TestCode: 8260_TCL4.2	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56598						
Client ID:	Batch ID: 50552	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096895						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	10									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	46.77	0	50	0	93.5	63.1	121	0	0		
Surr: Dibromofluoromethane	43.91	0	50	0	87.8	69.5	126	0	0		
Surr: Toluene-d8	49.44	0	50	0	98.9	74.2	120	0	0		

Sample ID LCS-50552	SampType: LCS	TestCode: 8260_TCL4.2	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56598						
Client ID:	Batch ID: 50552	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096918						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	60.86	5.0	50	0	122	58.1	142	0	0		
Benzene	50	5.0	50	0	100	74	127	0	0		
Chlorobenzene	51.53	5.0	50	0	103	79.8	118	0	0		
Toluene	49.81	5.0	50	0	99.6	78.5	124	0	0		
Trichloroethene	48.36	5.0	50	0	96.7	74.2	138	0	0		

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

CLIENT: Epic Consulting, Inc.  
 Work Order: 0410430  
 Project: E4124-Allene Ave.

## ANALYTICAL QC SUMMARY REPORT

BatchID: 50552

Sample ID LCS-50552	SampType: LCS	TestCode: 8260_TCL4.2	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56598						
Client ID:	Batch ID: 50552	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096918						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	45.36	0	50	0	90.7	63.1	121	0	0		
Surr: Dibromofluoromethane	45.84	0	50	0	91.7	69.5	126	0	0		
Surr: Toluene-d8	47.62	0	50	0	95.2	74.2	120	0	0		

Sample ID 0410327-022AMS	SampType: MS	TestCode: 8260_TCL4.2	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56598						
Client ID:	Batch ID: 50552	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096915						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	60.21	5.0	50	0	120	51.1	151	0	0		
Benzene	50.73	5.0	50	0	101	68.9	131	0	0		
Chlorobenzene	53.63	5.0	50	0	107	75.4	123	0	0		
Toluene	50.69	5.0	50	0	101	74.8	128	0	0		
Trichloroethene	49.71	5.0	50	0	99.4	66.3	145	0	0		
Surr: 4-Bromofluorobenzene	46.65	0	50	0	93.3	63.1	121	0	0		
Surr: Dibromofluoromethane	45.71	0	50	0	91.4	69.5	126	0	0		
Surr: Toluene-d8	47.1	0	50	0	94.2	74.2	120	0	0		

Sample ID 0410327-022AMSD	SampType: MSD	TestCode: 8260_TCL4.2	Units: µg/L	Prep Date: 10/11/2004	RunNo: 56598						
Client ID:	Batch ID: 50552	TestNo: SW8260B		Analysis Date: 10/11/2004	SeqNo: 1096916						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	58.3	5.0	50	0	117	51.1	151	60.21	3.22	14.3	
Benzene	49.2	5.0	50	0	98.4	68.9	131	50.73	3.06	10	
Chlorobenzene	52.63	5.0	50	0	105	75.4	123	53.63	1.88	10	
Toluene	49.92	5.0	50	0	99.8	74.8	128	50.69	1.53	10	
Trichloroethene	48.44	5.0	50	0	96.9	66.3	145	49.71	2.59	11	
Surr: 4-Bromofluorobenzene	46.7	0	50	0	93.4	63.1	121	46.65	0	0	
Surr: Dibromofluoromethane	45.38	0	50	0	90.8	69.5	126	45.71	0	0	
Surr: Toluene-d8	47.66	0	50	0	95.3	74.2	120	47.1	0	0	

Qualifiers: B Analyte detected in the associated Method Blank BRL Below Reporting Limit E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits N Analyte not NELAC certified  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

**APPENDIX D**  
**POTENTIAL RECEPTOR SURVEY**

## Local Water Resource Survey

Project Name: Commercial Property

Epic Project # E4124.01

Location: 1121-1135 Allene Avenue

County: Fulton

Longitude: -84 24' 49"

Latitude: 33 43' 25"

### Groundwater Pollution Susceptibility

- ☐ High/Average (1/2 mile private, 2 mile public)
- ☒ Lower (1/4 mile private, 1 mile public)

The presence of local water resources is of major concern when determining the applicable State Threshold Limits for petroleum constituents. The possible presence of local water resources in the area was investigated by any and/or all of the following means:

- Conversations with county and/or city officials.
- A drive-by reconnaissance of the surrounding area for the specified radii.
- Conversations with local residents.
- A USGS well survey for the specified radii.
- GA EPD project files.
- State GAGS publications.
- State water resources lists of public water supplies.
- County/City Health records
- Certified mail to adjacent property owners.

- ☒ No private or public drinking water resources were discovered within the specified radii.
- ☐ Drinking water supplies were discovered within specified radii.

Surface water receptors were also investigated during this study.

The nearest surface water body is: unnamed tributary in Perkerson Park

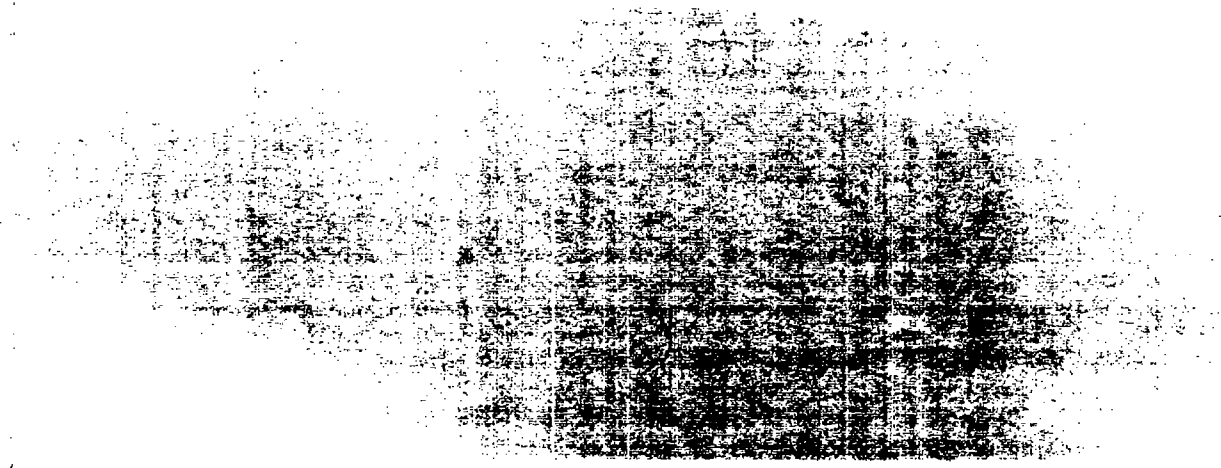
The distance to the surface water body is: \_\_\_\_\_ mile or 4,000 feet.

USGS Well Search

Site Latitude 334325  
Site Longitude 842449

County Code	Local Well #	Well Identifier	Latitude	Longitude	Horizontal Datum	Altitude	Vertical Datum	Depth of Well	Depth of Casing	Diameter	Casing Material	Top of open Interval	Bottom of open interval	Type of Opening	Date of Construction	Discharge	Well Type	Approx. Distance from site (feet)
121	10DD55	BROWN TRANSPORT	334308	842350	NAD27	040	NGVD29	325	40	6	S	40	325	X	197710	45	C	4670
121	10DD87	NABISCO INC. (WELL NO. 2)	334258	842523	NAD27	1045	NGVD29	1025		8					1952		N	5584
121	10DD57	JOHNSON-FLOKER CO.	334416	842424	NAD27	1000	NGVD29	580	58	8	S	58	580	X	197108	55	U	5805
121	10DD52	NABISCO CO.	334258	842527	NAD27	1045	NGVD29	378									N	5838
121	10DD88	FORT MCPHERSON-BLDG 105	334237	842539	NAD27	1045	NGVD29	20.18	5	2	P	5	20.18	S	19910618	0.34	U	8975
121	10DD58	U. S. PLT & BMPR SVC	334328	842307	NAD27	980	NGVD29	325	44	8	S	44	325	X	196211	45	C	7191
121	10DD46	U. S. GOVERNMENT	334219	842543	NAD27	1050	NGVD29	689	113	12	S	113	689	X		20	P	7944
121	10DD02	US ARMY FT MCPHERSON	334207	842548	NAD27	1013	NGVD29	338	41	12	S	41	341	X	1939	20	U	8675
121	10DD73	U.S. GOVT. FT. MCPHERSON	334208	842553	NAD27	1015	NGVD29								198202		I	8778
121	10DD70	U.S. GOVT. FT. MCPHERSON	334237	842805	NAD27	998	NGVD29		33	8		33	725	X	198202		I	9502
121	10DD44	U. S. GOVERNMENT	334245	842814	NAD27	990	NGVD29	500	88	10	S	88	500	X	1904	5	P	9838
121	10DD43	U. S. GOVERNMENT	334245	842815	NAD27	990	NGVD29	500		10					1985	65	P	9880
121	10DD72	U.S. GOVT. FT. MCPHERSON	334238	842809	NAD27	974	NGVD29		71	8		71	605	X	198202		I	9704
121	10DD42	U. S. GOVERNMENT	334248	842817	NAD27	1010	NGVD29	250		8					1982	21	P	9739
121	10DD58	STATE OF GA BLD AUTH	334459	842320	NAD27	970	NGVD29	507	88		S	88	507	X	1978	80	I	10359
121	10DD85	FORT MCPHERSON-GOLF COURSE	334220	842813	NAD27	990	NGVD29	30.8	10.8	2	P	10.8	30.8	P	19920108	0.3	U	10424
121	10DD71	U.S. GOVT. FT. MCPHERSON	334211	842808	NAD27	974	NGVD29		25	8		25	760	X	198202		I	10585
121	10EE36	FEDERAL BLDG DWATRNG WELL	334513	842338	NAD27	1019.87	NGVD29	81	80	4.5	P	80	81	P	1994	5	D	12803
121	10DD18	EAST POINT, GA (1940)	334158	842809	NAD27	980	NGVD29	402		10					1940	75	P	12888
121	10DD80	SOTHRN WOOD PDMONT (PW-7)	334135	842842	NAD27	990	NGVD29	100	60	8	S	60	100	X	198907		D	15018
121	10DD75	SOTHRN WOOD PDMONT (PW-2)	334135	842843	NAD27	1018.5	NGVD29	350	110	8	S	110	350	X	19871124	31.6	D	15049
121	10DD81	SOTHRN WOOD PDMONT (PW-8)	334134	842842	NAD27	1010	NGVD29	115	75	8	S	75	115	X	198907		D	15082
121	10DD82	SOTHRN WOOD PDMONT (PW-9)	334133	842844	NAD27	1030	NGVD29	100	80	8	S	80	100	X	198907		D	15173
121	10DD79	SOTHRN WOOD PDMONT (PW-6)	334131	842849	NAD27	1040	NGVD29	75	35	8	S	35	75	X	198907		D	15429
121	10DD84	SOTHRN WOOD PDMONT (PW-11)	334129	842847	NAD27	1040	NGVD29	75	35	8	S	35	75	X	198907		D	15454
121	10DD74	SOUTHERN WOOD PDMONT PW-1	334130	842850	NAD27	1020	NGVD29	250	21.5	8	S	21.5	250	X	19870818	10.3	D	15508
121	10DD77	So. wood plad (pw-4)	334129	842849	NAD27				20	8	S	20	80	X	198907			15520
121	10DD78	SOTHRN WOOD PDMONT (PW-5)	334128	842848	NAD27	1080	NGVD29	82	42	8	S	42	82	X	198907		D	15533
121	10DD83	SOTHRN WOOD PDMONT (PW-10)	334127	842848	NAD27	1020	NGVD29	75	35	8	S	35	75	X	198907		D	15578

## Reference 12





Arthur E. Ferdinand  
Tax Commissioner  
Fulton County, Georgia

## TAX BILL

141 Pryor Street  
Atlanta, Georgia 30303  
(404) 730-6100

Property Owner	Parcel Identification	Description	User ID
BROWN J MERCER	14 -0106-0010-010-1	Real Estate	IWR

Tax District: 05

<u>Property Address</u>	<u>Account Number</u>	<u>Current Fair Market Value</u>	<u>Current Assessed Value</u>
1121 ALLENE AVE SW	1200881	77, 800	31, 120

**City Exemption:**

**County Exemption:**

**City Sales Tax Credit:** 0.00

**County Sales Tax Credit:** 0.00

Tax Year	Cycle	Principal Amount	Interest	Penalty	Fees	Total
<u>2004</u>	Atlanta	0.00	0.00	0.00	0.00	0.00
	Fulton	0.00	0.00	0.00	0.00	0.00
<u>2003</u>	Atlanta	0.00	0.00	0.00	0.00	0.00
	Fulton	0.00	0.00	0.00	0.00	0.00
<u>2002</u>	Atlanta	0.00	0.00	0.00	0.00	0.00
	Fulton	0.00	0.00	0.00	0.00	0.00
<u>2001</u>	Atlanta	0.00	0.00	0.00	0.00	0.00
	Fulton	0.00	0.00	0.00	0.00	0.00
<u>2000</u>	Atlanta	0.00	0.00	0.00	0.00	0.00
	Fulton	0.00	0.00	0.00	0.00	0.00
<u>1999</u>	Atlanta	0.00	0.00	0.00	0.00	0.00
	Fulton	0.00	0.00	0.00	0.00	0.00
<u>1998</u>	Atlanta	0.00	0.00	0.00	0.00	0.00
	Fulton	0.00	0.00	0.00	0.00	0.00

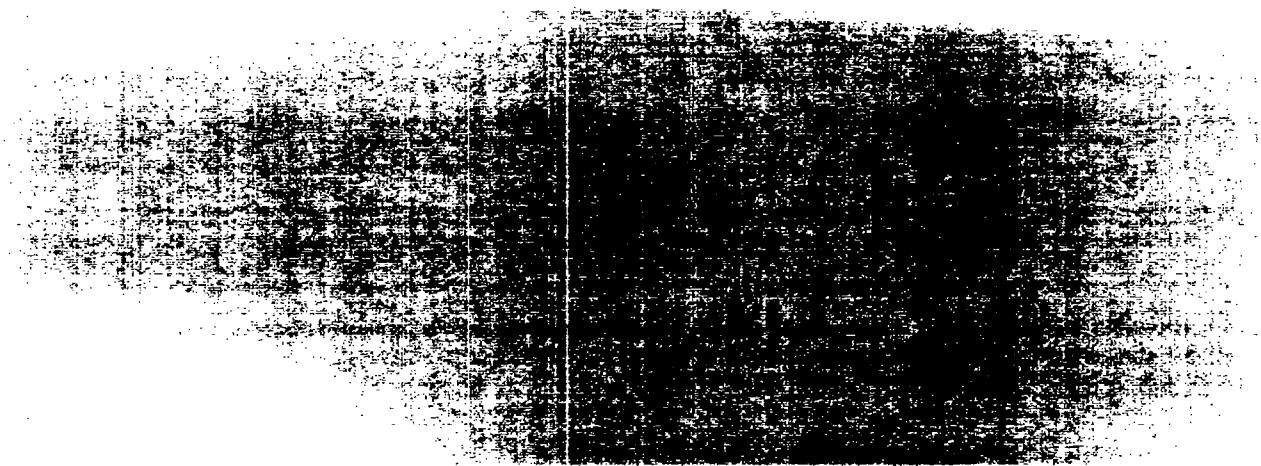
Grand Total Due \$0.00

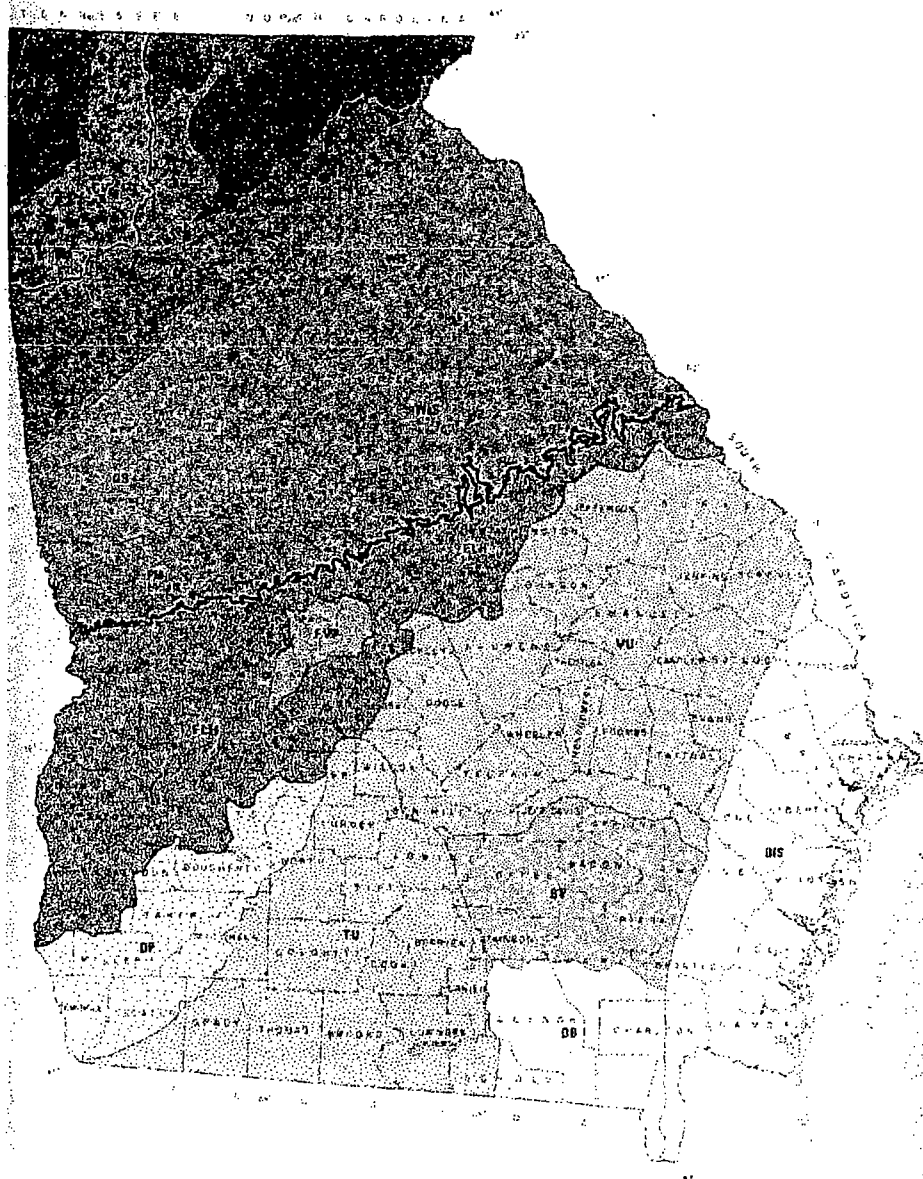
Mailing Address

BROWN J MERCER  
2028 CHESTERFIELD DR NE  
ATLANTA, GA 30345

Property owners with current legal matters, such as bankruptcy or foreclosure, must contact the Tax Commissioner's office at (404) 730-6100 for the official balance due on their parcel(s).

Reference 13





# PHYSIOGRAPHIC MAP OF GEORGIA

by

William Z. Clark, Jr. and Arnold C. Zisa

DEPARTMENT OF NATURAL RESOURCES  
Joe D. Tanner, Commissioner

THE GEOLOGIC AND WATER RESOURCES DIVISION  
Sam M. Pickering, State Geologist and Division Director

Atlanta  
1976



## WINDY SLOPE DISTRICT

**Windy Slope District** - The gently rolling topography of the Windy Slope District slopes gradually from an elevation of 1000 feet in the north to 700 feet at the southern edge. This district is dissected by the headwater tributaries of the major streams draining to the Atlantic Ocean. Numerous dome-shaped, granitic mountains are located on the interfluvies in the southern and western portion of this district. The stream valleys which are fairly deep and narrow, lie 100-200 feet below the narrow, rounded stream divides. The western boundary follows the drainage divide that separates streams draining to the Atlantic Ocean from those draining to the Gulf of Mexico. The southern boundary approximates the 700 foot elevation where a sharp break in regional slope occurs.

Reference 14

# GEOLOGY OF THE GREATER ATLANTA REGION

Keith I. McConnell and Charlotte E. Abrams



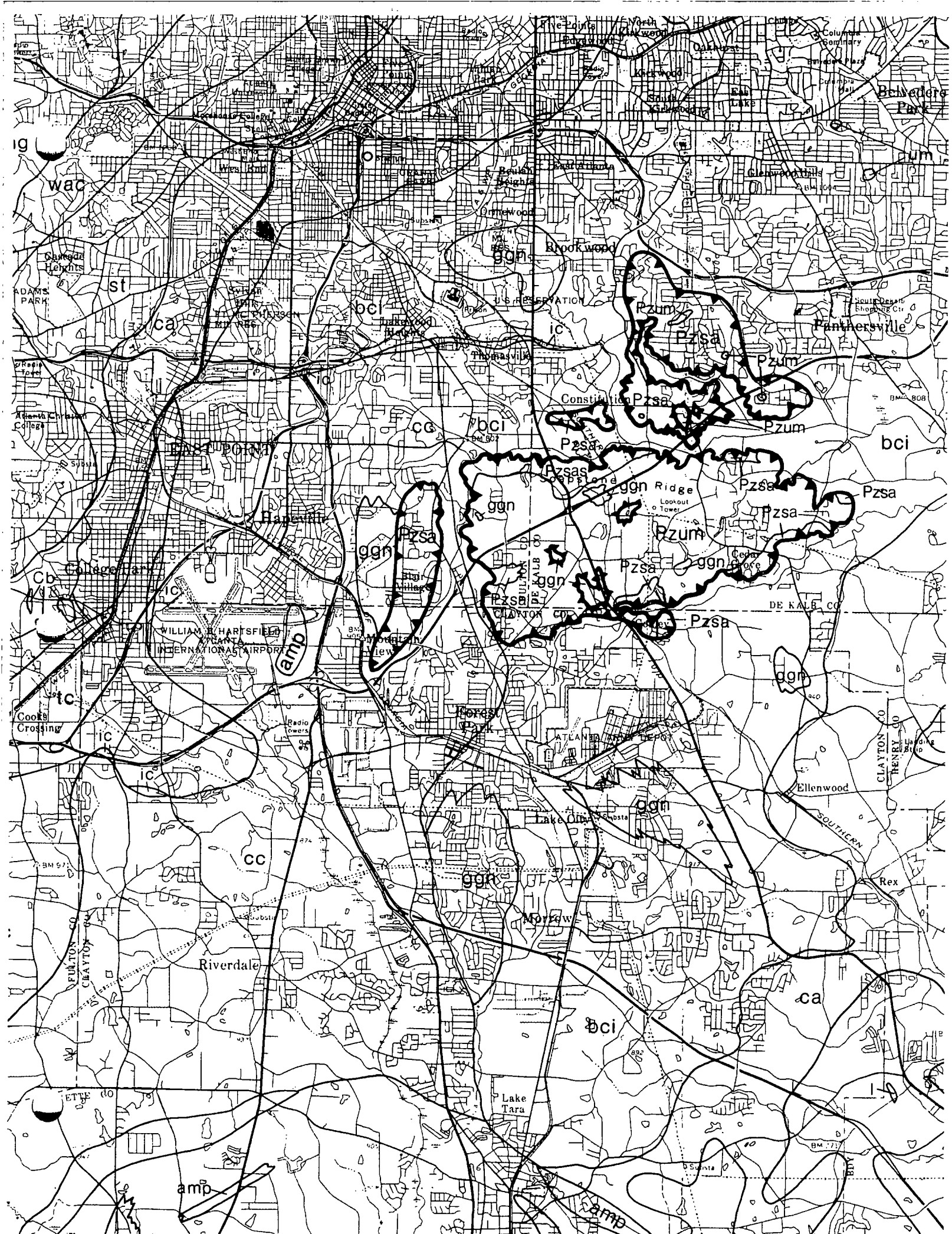
Department of Natural Resources  
J. Leonard Ledbetter, Commissioner

Environmental Protection Division  
Harold F. Reheis, Assistant Director

Georgia Geologic Survey  
William H. McLemore, State Geologist

Atlanta  
1984

BULLETIN 96



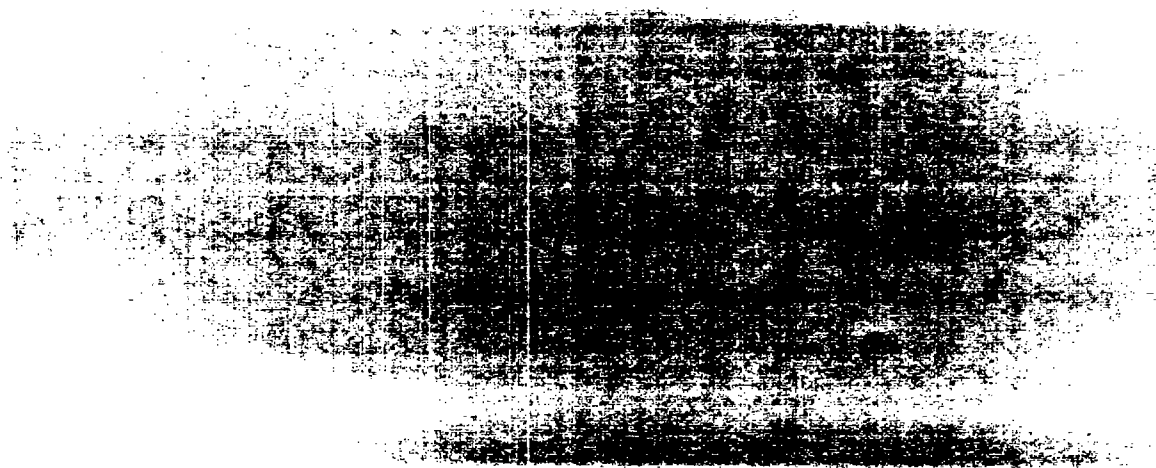
ag	<b>Austell Gneiss</b> (Abrams and McConnell, 1981a; Abrams, 1983): fine- to coarse-grained blastoporphyritic to nonporphyritic orthogneiss composed of muscovite, biotite, oligoclase, quartz and microcline.
shg	<b>Sand Hill Gneiss</b> (this report): fine- to coarse-grained blastoporphyritic to nonporphyritic orthogneiss composed of muscovite, biotite, oligoclase, quartz and microcline. Generally contains more muscovite, quartz and plagioclase and less microcline than Austell Gneiss.
mrg	<b>Mulberry Rock Gneiss</b> (this report): medium-grained, equigranular muscovite-quartz-microcline-plagioclase orthogneiss.
d	<b>Diabase dikes</b>

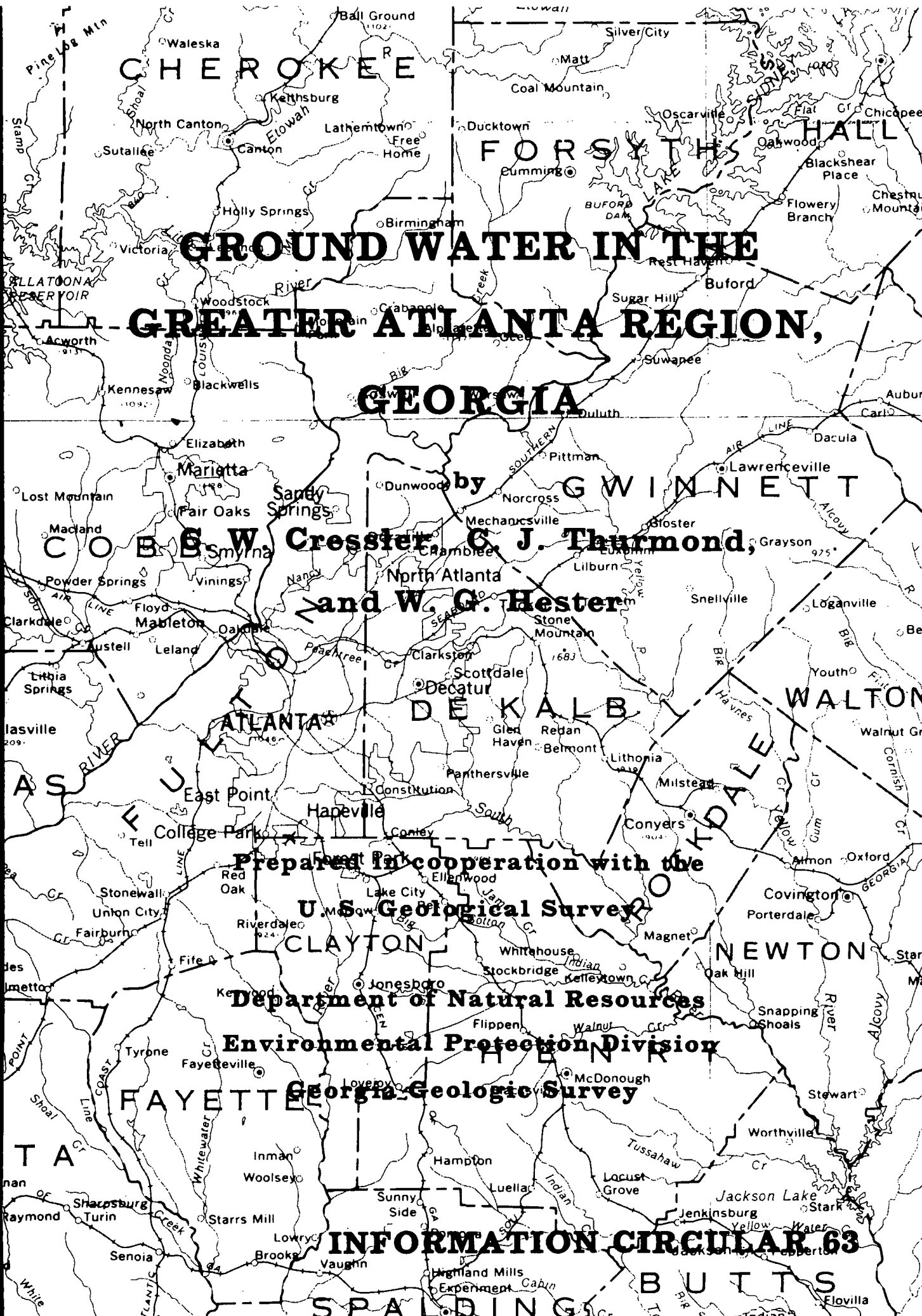
#### SOUTHERN PIEDMONT PROVINCE AND BREVARD FAULT ZONE

**Atlanta Group** (late Precambrian to early Paleozoic)  
(stratigraphic order revised after Higgins and Atkins, 1981):

cc	<b>Camp Creek Formation</b> (Higgins and Atkins, 1981): massive granite gneiss interlayered with thin, fine-grained, dark-green hornblende-plagioclase amphibolite.
icq	<b>Intrenchment Creek Quartzite</b> (Higgins and Atkins, 1981): spessartine quartzite and spessartine-mica schist interpreted in this report to be banded iron formation.
bci	<b>Big Cotton Indian Formation</b> (Higgins and Atkins, 1981): intercalated biotite-plagioclase gneiss (locally porphyritic), hornblende-plagioclase amphibolite, and biotite-muscovite schist.
ca tc f	<b>Clarkston Formation</b> (Higgins and Atkins, 1981): sillimanite-garnet-quartz-plagioclase-biotite-muscovite schist interlayered with hornblende-plagioclase amphibolite (ca). Includes a unit composed only of schist termed the Fairburn Member (f); and a unit similar to Clarkston undifferentiated termed the Tar Creek Member (tc).
st	<b>Stonewall Formation</b> (Higgins and Atkins, 1981): intercalated fine-grained biotite gneiss, hornblende-plagioclase amphibolite and sillimanite-biotite schist.
wac	<b>Wahoo Creek Formation</b> (Higgins and Atkins, 1981): includes slabby, medium-grained muscovite-plagioclase-quartz gneiss, amphibolite, mica schist and epidote-calcite-diopside gneiss (calc-silicate).
se	<b>Senoia Formation</b> (Atkins and Higgins, 1981): garnet-biotite-muscovite schist interlayered with fine-grained amphibolite, local thin layers of spessartine quartzite (iron formation?), sillimanite schist and biotite gneiss.
cl	<b>Clairmont Formation</b> (Higgins and Atkins, 1981): interlayered medium-grained biotite-plagioclase gneiss and fine- to medium-grained hornblende-plagioclase amphibolite.
pl h	<b>Promised Land Formation</b> (Higgins and Atkins, 1981): includes massive to thinly layered, medium-grained, gray, banded biotite granite gneiss interlayered with fine-grained, dark-green to greenish black, blocky amphibolite. A thin quartzite and muscovite quartz schist unit near top of the Promised Land Formation is termed the Hannah Member (h).
wc	<b>Wolf Creek Formation</b> (Higgins and Atkins, 1981): thinly laminated, fine-grained amphibolite interlayered with lustrous, silvery, gray, biotite-muscovite schist.

Reference 15





**GROUND WATER IN THE  
GREATER ATLANTA REGION,  
GEORGIA**

**C. S. W. Cressler, C. J. Tharmond,  
and W. G. Hester**

**Prepared in cooperation with the  
U.S. Geological Survey,  
Department of Natural Resources,  
Environmental Protection Division,  
Georgia Geologic Survey**

**INFORMATION CIRCULAR 63**



EXPLANATION

Principal Water-Bearing Units



**YIELD**—Well yields range from 20 to 275 gal/min, averaging 56 gal/min.  
**DEPTH**—Wells range in depth from 35 to 2,175 ft, averaging 294 ft. Casing depths range from 0 to 200 ft, averaging 60 ft.

**TOPOGRAPHIC SETTINGS**—Twenty-two percent of the wells occupy slopes, 35 percent are in broad lowlands, 22 percent are on uplands-ridge crests, and 4 percent are in draws and hollows.

**METHODS**—Effective methods for selecting high-yielding well sites are (1) contact zones within multilayered rock units, (2) small-scale structures that localize drainage development, (3) zones of fracture concentration, (4) topography and soil thickness, and (5) stress relief fractures in settings similar to the one shown in figure 28. In the area of dendritic drainage, the methods are effective mainly in headwaters areas, especially where the strike of the rock layers and drainage courses are parallel.

**ROCK TYPE**—Unit A is a complex aquifer consisting of interlayered amphibolite, gneiss, and schist in varying proportions and thicknesses. In some areas the unit is predominantly amphibolite containing thin layers of gneiss. In others, the dominant rock type is gneiss interlayered with amphibolite or schist, or both. Also common are areas of gneiss interlayered with schist and schist interlayered with gneiss. Interlayering of two different lithologies, and commonly three, is highly significant because the contact zones between the contrasting layers have the potential for developing increased permeability. Wells in the unit may penetrate several permeable contact zones that contribute to the total yield.



**YIELD**—Well yields in Unit B range from 20 to 348 gal/min, averaging 72 gal/min.

**DEPTH**—Wells range in depth from 40 to 825 ft, averaging 271 ft. Casing depths range from 3 to 266 ft, averaging 54 ft.

**TOPOGRAPHIC SETTINGS**—Thirty-three percent of the wells occupy slopes, 45 percent are in broad lowlands, 2 percent are on uplands-ridge crests, and 14 percent are in draws and hollows.

**METHODS**—Effective methods for well site selection are (1) stress relief fractures in topographic settings similar to those shown in figures 12-14 and 28, (2) shear zones, (3) contact zones with Units A, C, E, and possibly G, (4) small-scale structures that localize drainage development, and (5) fault zones. In the area of dendritic drainage, the last three methods are effective mainly in headwaters areas.

**ROCK TYPE**—Unit B consists of granitic gneiss containing biotite, muscovite, quartz, and feldspar in order of increasing abundance. In some areas the unit includes layers of amphibolite and other rocks.



**YIELD**—Well yields range from 20 to 150 gal/min, averaging 47 gal/min.

**DEPTH**—Wells range in depth from 67 to 700 ft, averaging 195 ft. Casing depths range from 4 to 144 ft, averaging 53 ft.

**TOPOGRAPHIC SETTINGS**—Nineteen percent of the wells occupy slopes, 19 percent are in broad lowlands, 27 percent are on uplands-ridge crests, and 20 percent are in draws and hollows.

**METHODS**—Effective methods for selecting well sites are (1) small-scale structures that localize drainage development, (2) contact zones with Units B, D, E, F, H, and in some areas G, and (3) contact zones between schists and graywacke and quartzite layers within the unit. In the area of dendritic drainage, the methods will be effective mainly in headwaters areas.

**ROCK TYPE**—The unit consists of muscovite, feldspar, sillimanite, and quartz schists locally interlayered with thin to thick beds of graywacke, quartzite, and other rocks. Garnet, graphite, and biotite are common accessory minerals. In places, the schists are interlayered with hornblende units.



**YIELD**—Well yields range from 20 to 351 gal/min, averaging 56 gal/min.

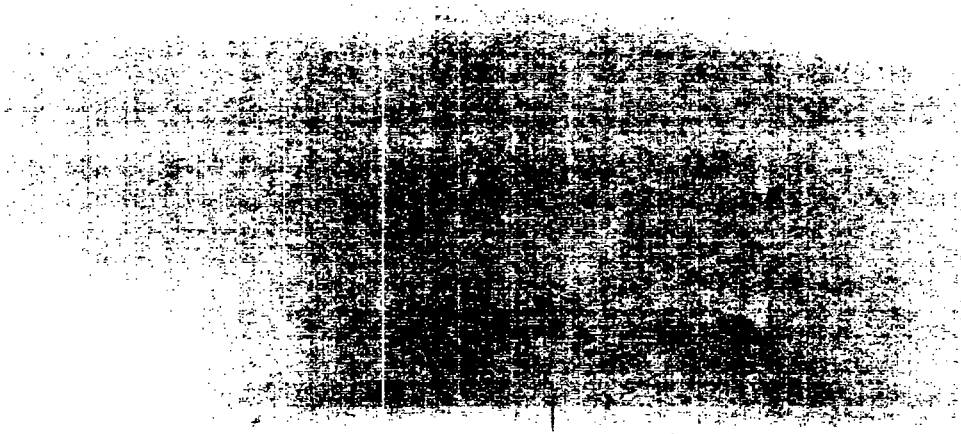
**DEPTH**—Wells range in depth from 82 to 710 ft, averaging 270 ft. Casing depths range from 7 to 140 ft, averaging 56 ft.

**TOPOGRAPHIC SETTINGS**—Twenty percent of the wells occupy slopes, 27 percent are in broad lowlands, 36 percent are on uplands-ridge crests, and 6 percent are in draws and hollows.

**METHODS**—Effective methods for selecting well sites are (1) small-scale structures that localize drainage development, (2) contact zones between rocks of contrasting character, both with Units A, C, E, and G at the edge of the unit and with dissimilar rock layers within the unit, (3) topography and soil thickness, (4) fault zones, and (5) stress relief fractures. In the area of dendritic drainage, the first four methods are effective mainly in headwaters areas. Stress relief fractures may be present beneath topographic settings similar to those shown in figures 12-14 and 28.

**ROCK TYPE**—The principal rock type in the unit is the same as in Unit A.

## Reference 16



# **WATER USE IN GEORGIA BY COUNTY FOR 2000 AND WATER-USE TRENDS FOR 1980–2000**

by Julia L. Fanning  
U.S. GEOLOGICAL SURVEY

GEORGIA DEPARTMENT OF NATURAL RESOURCES  
Lonice Barrett, Commissioner

ENVIRONMENTAL PROTECTION DIVISION  
Harold F. Reheis, Director

GEORGIA GEOLOGIC SURVEY  
William H. McLemore, State Geologist

Prepared in cooperation with the  
U.S. GEOLOGICAL SURVEY

Atlanta, Georgia  
2003

**INFORMATION CIRCULAR 106**

# FULTON COUNTY

Population: 816,006

Population served by public supply: 801,318

Acres irrigated: 0

Hydroelectric use (Mgal/d): 592



## 2000 WITHDRAWALS, IN MILLION GALLONS PER DAY

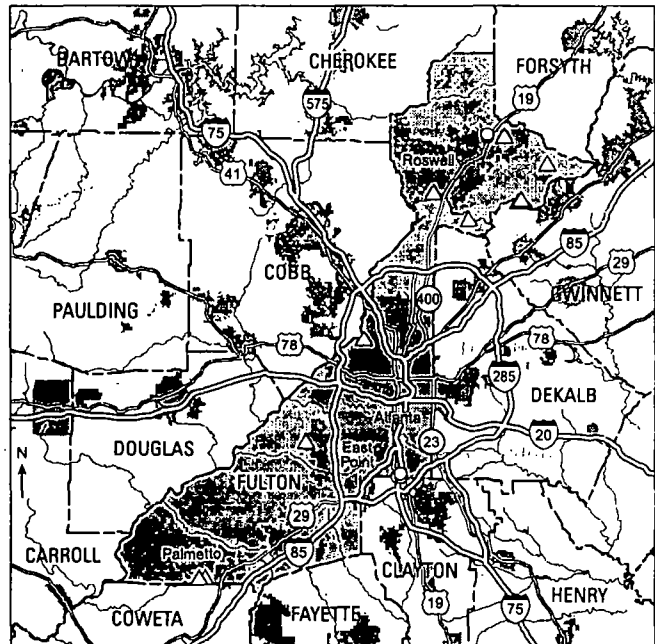
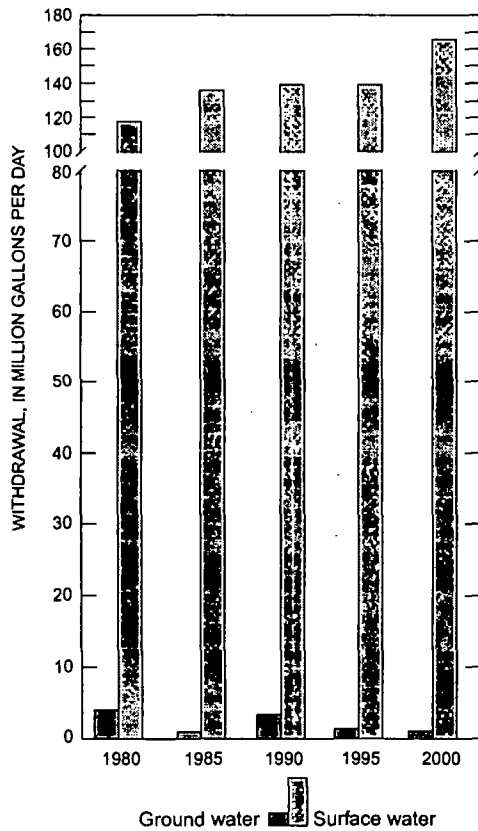
	Public Supply	Domestic & Commercial	Industrial & Mining	Irrigation	Livestock	Thermo-electric	TOTALS
Ground Water	0.00	1.53	0.08	0.00	0.01	0.00	1.62
Surface Water	164.60	0.75	0.49	0.00	0.06	0.00	165.90
TOTALS	164.60	2.28	0.57	0.00	0.07	0.00	167.52

### Withdrawals by Major Public Suppliers (Mgal/d):

NAME	GW	SW
Atlanta-Fulton Cty Water Syst.	0.00	42.86
City of Atlanta	0.00	108.05
City of East Point	0.00	11.41
City of Palmetto	0.00	0.43
City of Roswell	0.00	1.17
North Fulton Cty Water Syst.	0.00	0.68

### Withdrawals by Major Industrial Groups (Mgal/d):

SIC	GW	SW
None		



Base modified from U.S. Geological Survey  
1:100,000-scale digital data

0 5 10 MILES

### WITHDRAWAL LOCATION FOR MAJOR USER

- Ground water
- △ Surface water

Reference 17





- |  |  |                 |              |
|--|--|-----------------|--------------|
|  | Roads                                  | ● Commercial    | ● DeWatering |
|  | State and US Highways                  | ■ UNUSED        |              |
|  | Interstate Highways                    | ▼ Unknown       |              |
|  | Rivers/Streams                         | ■ INDUSTRIAL    |              |
|  | Lake/Pond                              | ▲ Irrigation    |              |
|  | Swamp/Marsh                            | ● Public Supply |              |
|  | Census Block Group Boundaries          |                 |              |
|  | Census Block Groups > 0 Domestic Wells |                 |              |

**J & W Pallet & Drum**  
**1121 Allene Avenue**  
**Atlanta, Fulton County**

Scale: 1:80,000  
 33 43' 27" 84 24' 49"

Sources: Wells from USGS GWSI (1999); EPD WRB Non-Municipal Wells (1997);  
 EPD HWMB field surveys (2001); Surface Water Intakes from EPD GSB DR96-27(1996);  
 Roads, Rivers, Wetlands from Georgia DOT (1993); Census data from U.S. Bureau of Census (1990)

**P & W Pallet & Drum Co.**  
**1121 Allene Avenue**  
**Atlanta, Fulton County**

LAT 33° 43' 27"N / LONG 84° 24' 49"W

RAD	Population		Households		Households Domestic Well		Households Public Water		Population Domestic Well		Population Public Water	
	Ring	Total	Ring	Total	Ring	Total	Ring	Total	Ring	Total	Ring	Total
0.25	779	779	268	268	0	0	268	268	0	0	779	779
0.50	2495	3274	884	1152	0	0	884	1152	0	0	2495	3274
1.00	9553	12827	3555	4706	0	0	3555	4706	0	0	9553	12827
2.00	45596	58423	15465	20172	6	6	15459	20166	19	19	45577	58405
3.00	56871	115295	20918	41090	17	23	20901	41067	419	437	56453	114857
4.00	82677	197972	30089	71179	21	44	30068	71135	188	625	82489	197346

Source: Census of Populaton and Housing, 1990: Summary Tape File 3 on CD-ROM Georgia  
[machine-readable data files] / prepared by the Bureau of the Census. -Washington: The  
Bureau [producer and distributor], 1992.

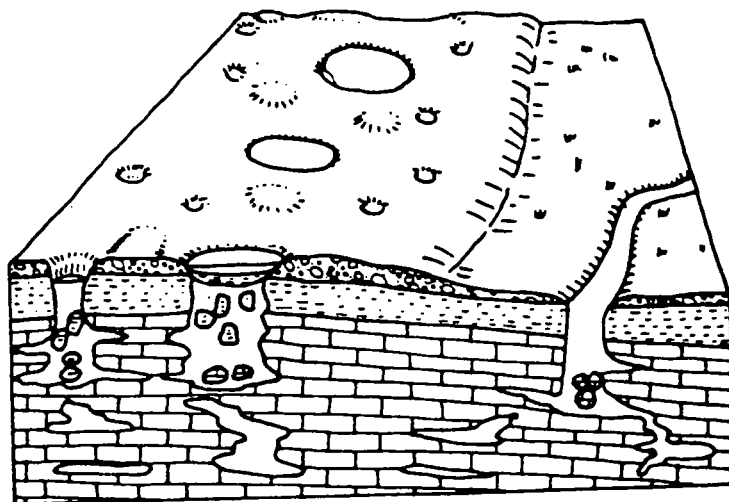
Reference 18



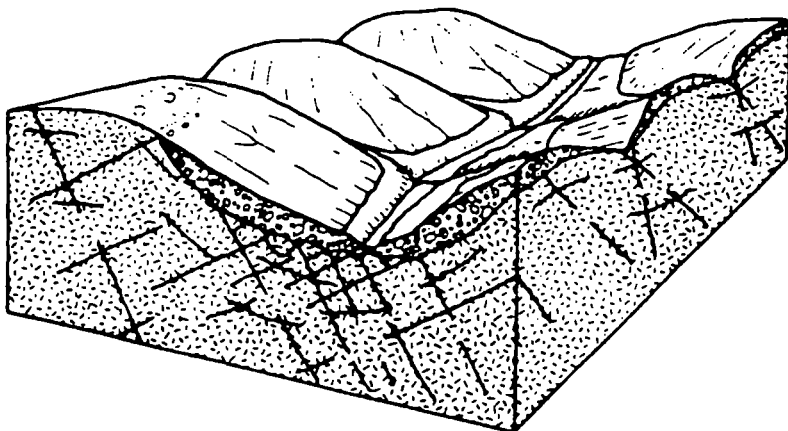
# GROUND-WATER POLLUTION SUSCEPTIBILITY MAP OF GEORGIA

by  
Victoria P. Trent

The preparation of this atlas was financed in part through a grant from the U.S. Environmental Protection Agency under the provisions of Section 106 of the Federal Water Pollution Control Act of 1972, as amended.



**HYDROGEOLOGY OF THE  
PIEDMONT AND BLUE RIDGE**

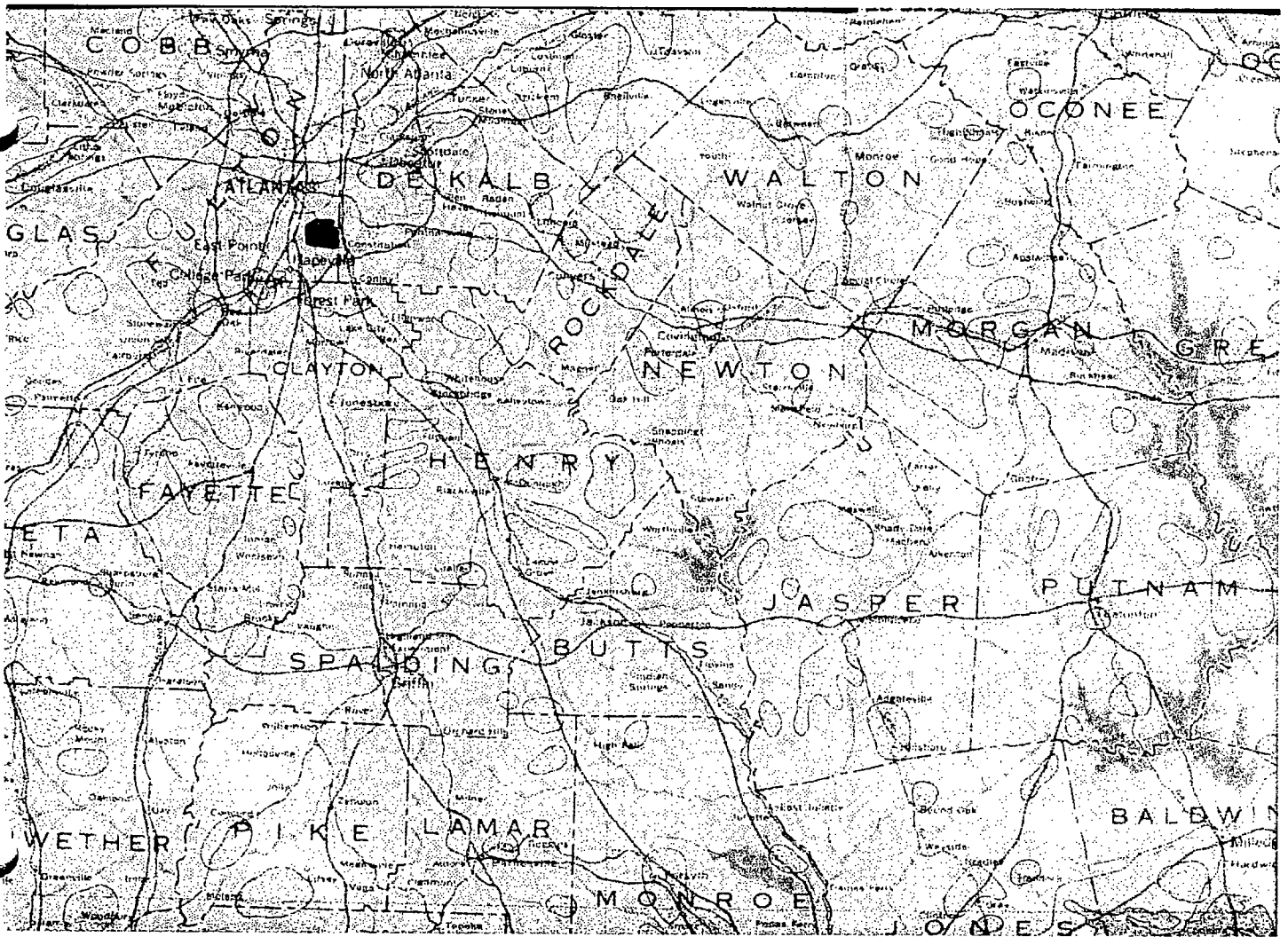


**HYDROGEOLOGY OF THE  
SOUTHEASTERN COASTAL PLAIN**








Department of Natural Resources  
Joe D. Tanner, Commissioner  
  
Environmental Protection Division  
Harold F. Rehels, Director  
  
Georgia Geologic Survey  
William H. McLemore, State Geologist

ATLANTA

1992



# EXPLANATION

-  HIGHER SUSCEPTIBILITY AREAS  
(DRASTIC RATING >181)
-  AVERAGE SUSCEPTIBILITY AREAS  
(DRASTIC RATING OF 141-181)
-  LOWER SUSCEPTIBILITY AREAS  
(DRASTIC RATING <141)
-  MAJOR WATER BODIES
-  MOST SIGNIFICANT GROUND-WATER RECHARGE  
AREAS OF GEORGIA, HYDROLOGIC ATLAS 18,  
1989, SCALE 1:500,000
-  STREAMS AND LAKES  
STATE OF GEORGIA HYDROLOGY BASE MAP  
1966 SOURCE: USGS, SCALE 1:500,000
-  MAJOR HIGHWAYS AND ROADS  
STATE OF GEORGIA ROADS BASE MAP, 1974, SOURCE: NCIC, SCALE 1:2,000,000

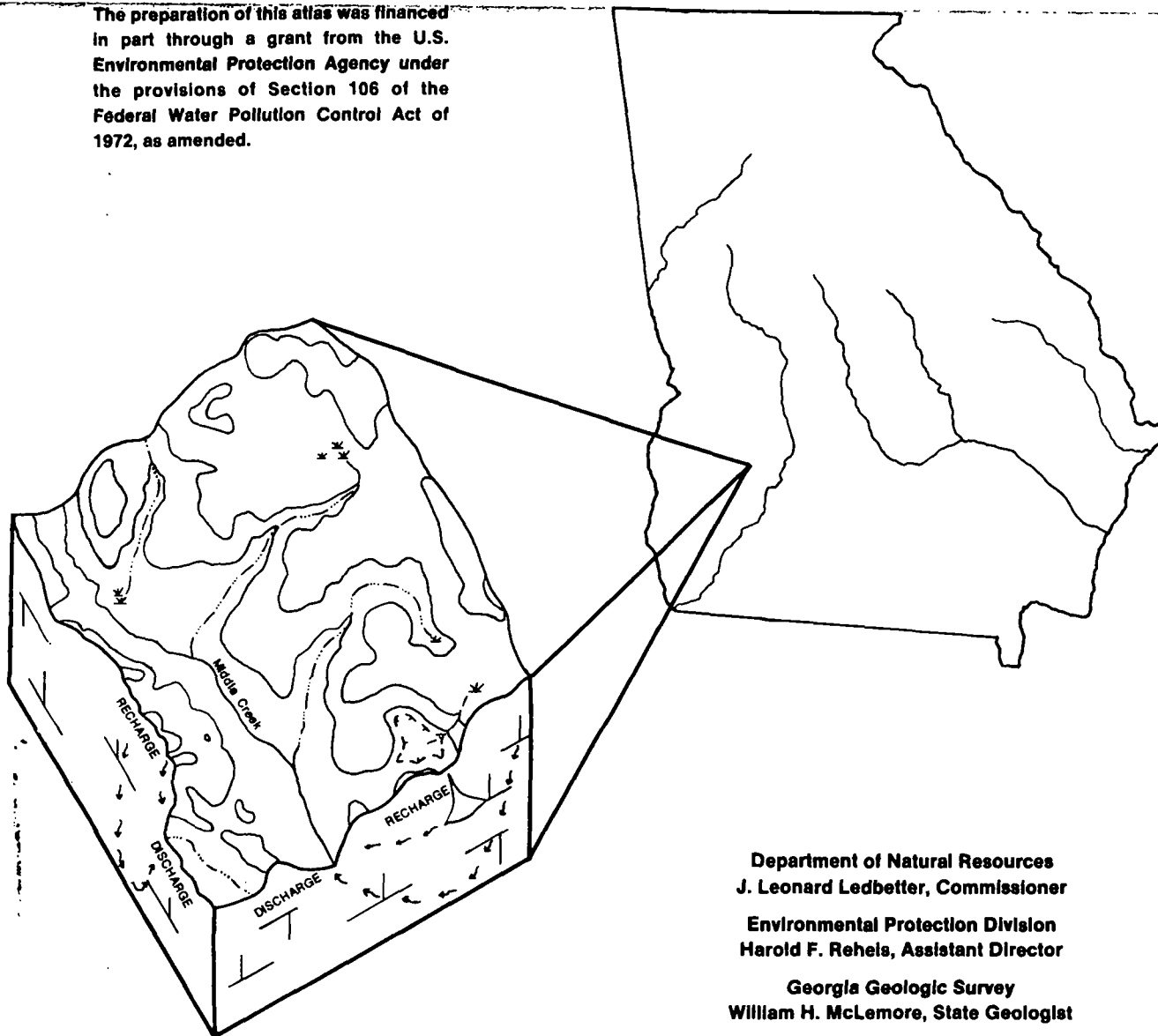
## Reference 19

# MOST SIGNIFICANT GROUND-WATER RECHARGE AREAS OF GEORGIA

by

Kenneth R. Davis, John C. Donahue, Robert H. Hutcheson, and Deborah L. Waldrop

The preparation of this atlas was financed in part through a grant from the U.S. Environmental Protection Agency under the provisions of Section 106 of the Federal Water Pollution Control Act of 1972, as amended.



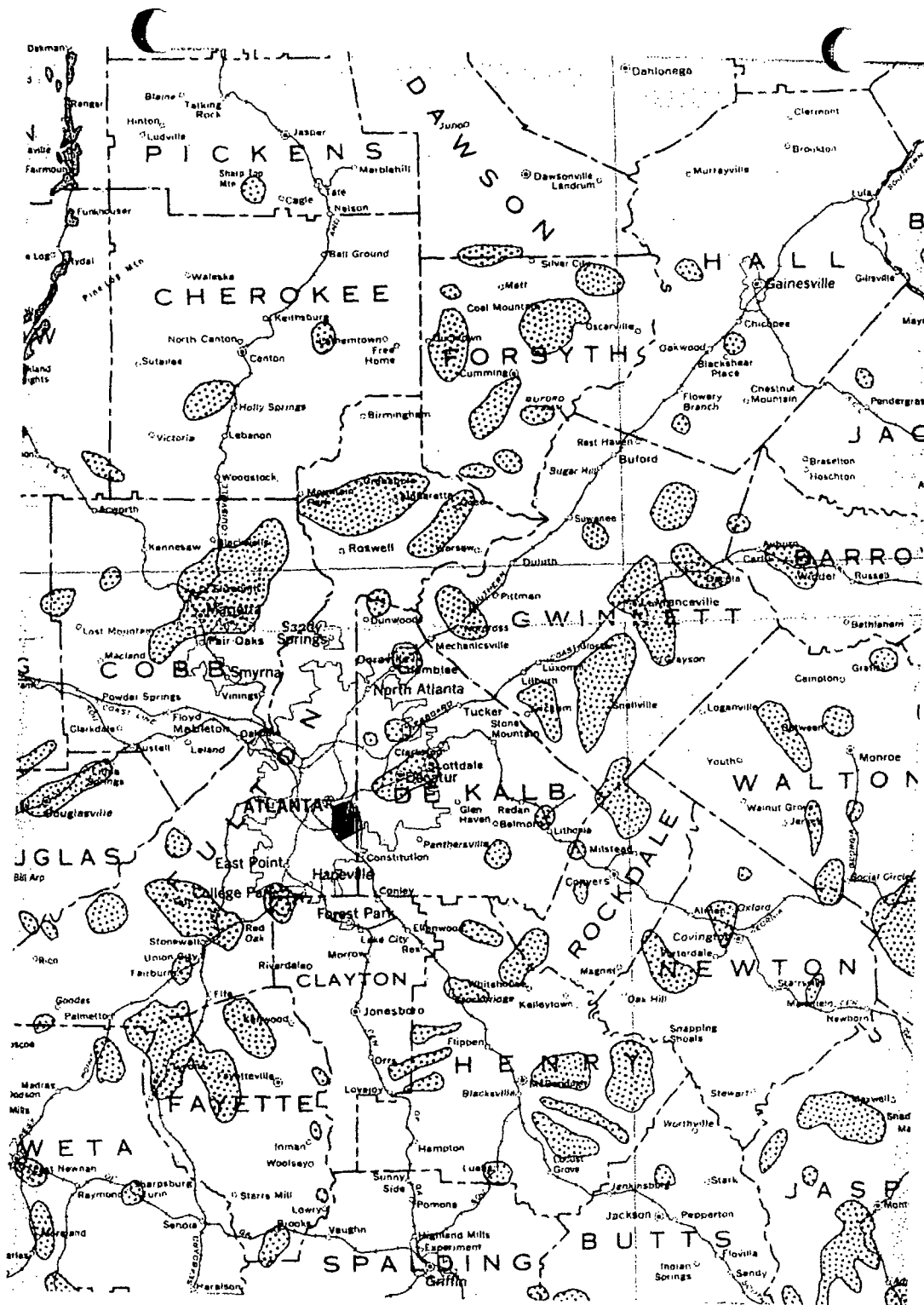
Department of Natural Resources  
J. Leonard Ledbetter, Commissioner  
Environmental Protection Division  
Harold F. Rehels, Assistant Director

Georgia Geologic Survey  
William H. McLemore, State Geologist

ATLANTA






1989

RETURN TO EDDIE WILLIAMS



# RECHARGE AREAS FOR:


## COASTAL PLAIN PROVINCE

-  MIOCENE/PLIOCENE-RECENT UNCONFINED AQUIFERS
-  FLORIDIAN/JACKSONIAN AQUIFER SYSTEM
-  CLAIRBORNE AQUIFER SYSTEM
-  CLAYTON AQUIFER SYSTEM
-  CRETACEOUS-TERTIARY AQUIFER SYSTEM

## RIDGE AND VALLEY PROVINCE

-  UNCONFINED AQUIFERS

## PIEDMONT PROVINCE

-  PROBABLE AREAS OF THICK SOILS (may be significant recharge areas)

Reference 20

FULTON COUNTY LIST OF DRINKING WATER SOURCES

FULTON GA1210000 ALPHARETTA COMMUNITY PURCHASED SURFACE WATER LOCAL GOVERNMENT 3392 11700 Mr. EARL CHATHAM  
CITY OF ALPHARETTA 1790 HEMBREE ROAD ALPHARETTA GA 30004 678-297-6200 10/27/2003

FULTON GA1210001 ATLANTA COMMUNITY SURFACE WATER LOCAL GOVERNMENT 240780 650000 Mr. J. CHRIS NEW CITY  
OF ATLANTA/DEPT OF WATER 68 MITCHELL ST SUITE 5700 SBLD ATLANTA GA 30335-0330 404-609-8022 12/29/2004

FULTON GA1210002 COLLEGE PARK COMMUNITY PURCHASED SURFACE WATER LOCAL GOVERNMENT 2821 20382 Mr. CHARLES R. BREWER  
CITY OF COLLEGE PARK P.O. BOX 87137 COLLEGE PARK GA 30337-7137 404-669-3757 08/25/2004

FULTON GA1210003 EAST POINT COMMUNITY SURFACE WATER LOCAL GOVERNMENT 16257 39595 PATSY J. HILLIARD  
CITY OF EAST POINT 2777 EAST POINT STREET EAST POINT GA 30344 404-765-1007 04/28/2004

FULTON GA1210004 FAIRBURN COMMUNITY PURCHASED SURFACE WATER LOCAL GOVERNMENT 2087 5425 Mr. JAMES B WILLIAMS  
CITY OF FAIRBURN P O BOX 145 FAIRBURN GA 30213-0145 770-964-2244 09/24/2003

FULTON GA1210005 NORTH FULTON COUNTY COMMUNITY PURCHASED SURFACE WATER LOCAL GOVERNMENT 48477 126040 Mr. T. K. EQUELS  
NORTH FULTON CO. WS 141 PRYOR ST., S. W., SUITE 6001 ATLANTA GA 30303 404-730-7442 01/21/2005

FULTON GA1210006 HAPEVILLE COMMUNITY PURCHASED SURFACE WATER LOCAL GOVERNMENT 2071 5385 Mr. C C MARTIN  
CITY OF HAPEVILLE POB 82311 HAPEVILLE GA 30354-2311 404-669-2100 09/24/2003

FULTON GA1210007 MOUNTAIN PARK COMMUNITY PURCHASED SURFACE WATER LOCAL GOVERNMENT 310 806 Ms. JOYCE AYERS  
CITY OF MOUNTAIN PARK 100 MOUNTAIN PARK ROAD ROSWELL GA 30075 770-993-4231 09/24/2003

FULTON GA1210008 PALMETTO COMMUNITY SURFACE WATER LOCAL GOVERNMENT 1025 3094 J.C. BODDIE CITY OF  
PALMETTO POB 190 PALMETTO GA 30268-0190 770-463-3377 10/07/2004

FULTON GA1210009 ROSWELL COMMUNITY SURFACE WATER LOCAL GOVERNMENT 5446 14100 Mr. STEWART MORING  
ROSWELL WATER SYSTEM 38 HILL STREET SUITE G-50 ROSWELL GA 30075 770-641-3743 10/07/2004

FULTON GA1210010 UNION CITY COMMUNITY PURCHASED SURFACE WATER LOCAL GOVERNMENT 2500 6500 RALPH MOORE  
UNION CITY 5047 UNION STREET UNION CITY GA 30291 770-964-2288 09/24/2003

FULTON GA1210020 CHESTNUT HILL ACADEMY NON-TRANSIENT NON-COMMUNITY GROUNDWATER PRIVATE 11 110 Ms. ANDRA ROSS  
 G R W INTERPRISES, INC. 2350 BETHSAIDA ROAD RIVERDALE GA 30296 770-991-0380 05/19/2003  
 FULTON GA1210037 PROVIDENCE PARK TRANSIENT NON-COMMUNITY GROUNDWATER LOCAL GOVERNMENT 1 400 Mr. JOHN CULBRETH  
 141 PRIOR ST., SW SUITE 8054 ATLANTA GA 30303 404-730-6200 01/04/2005

FULTON GA1210038 ATLANTA FULTON WATER RES COMM COMMUNITY SURFACE WATER LOCAL GOVERNMENT 12 200 Ms. CHRIS BROWNING  
 FULTON CO. PUBLIC WKS DEPT. 9750 SPRUILL RD. ALPHARETTA GA 30022 404-730-7427 12/16/2004

FULTON GA1210040 PAPPY RED'S BBQ #2 TRANSIENT NON-COMMUNITY GROUNDWATER PRIVATE 1 200 Ms. JUDY GARNER  
 PAPPY RED'S BBQ #2 13670 ARNOLD MILL ROAD ROSWELL GA 30075 770-475-9910 01/09/2000

FULTON COUNTY LIST OF DRINKING WATER/PUBLIC WATER SYSTEM PERMITTEES

FULTON GA1210000 ALPHARETTA 101 NORTH FULTON COUNTY GA1210005 PURCHASE CONNECTION SURFACE WATER ACTIVE FULL  
 TIME/REGULAR 08/07/2002

FULTON GA1210001 ATLANTA 101 CHATTAHOOCHEE RIVER INTAKE SURFACE WATER ACTIVE FULL TIME/REGULAR 12/28/2004

FULTON GA1210001 ATLANTA 102 ATLANTA/FULTON WATER RES COMM GA1210038 PURCHASE CONNECTION SURFACE WATER ACTIVE FULL  
 TIME/REGULAR 12/29/2004

FULTON GA1210002 COLLEGE PARK 101 EAST POINT WATER SYSTEM GA1210003 PURCHASE CONNECTION SURFACE WATER ACTIVE FULL  
 TIME/REGULAR 08/29/2003

FULTON GA1210003 EAST POINT 101 SWEETWATER CREEK INTAKE SURFACE WATER ACTIVE FULL TIME/REGULAR 03/18/2003

FULTON GA1210003 EAST POINT 102 ATLANTA WATER SYSTEM GA1210001 PURCHASE CONNECTION SURFACE WATER ACTIVE  
 EMERGENCY/BACK-UP 08/07/2002

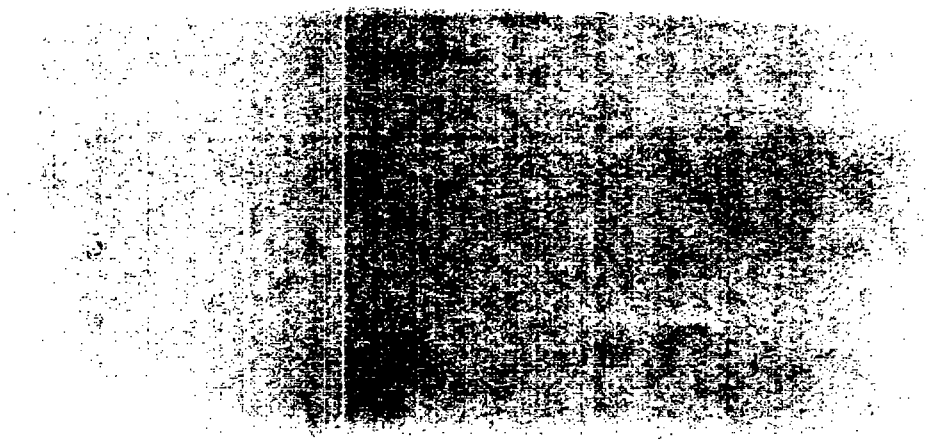
FULTON GA1210003 EAST POINT 103 HAPEVILLE WATER SYSTEM GA1210006 PURCHASE CONNECTION SURFACE WATER ACTIVE  
 EMERGENCY/BACK-UP 08/07/2002

FULTON GA1210004 FAIRBURN 101 ATLANTA WATER SYSTEM GA1210001 PURCHASE CONNECTION SURFACE WATER ACTIVE FULL  
 TIME/REGULAR 08/07/2002

near Fulton  
 Clayton Inc  
 N. Fulton

FULTON	GA1210005 NORTH FULTON COUNTY FULL TIME/REGULAR 08/07/2002	101 COBB CO.-MARIETTA WATER SYSTEM	GA0670002 PURCHASE CONNECTION SURFACE WATER	ACTIVE
FULTON	GA1210005 NORTH FULTON COUNTY FULL TIME/REGULAR 08/07/2002	102 GWINNETT COUNTY WATER SYSTEM	GA1350004 PURCHASE CONNECTION SURFACE WATER	ACTIVE
FULTON	GA1210005 NORTH FULTON COUNTY TIME/REGULAR 10/21/2004	103 ATLANTA WATER SYSTEM	GA1210001 PURCHASE CONNECTION SURFACE WATER	ACTIVE FULL
FULTON	GA1210005 NORTH FULTON COUNTY FULL TIME/REGULAR 08/07/2002	104 ATLANTA-FULTON WATER RES COMM	GA1210038 PURCHASE CONNECTION SURFACE WATER	ACTIVE
FULTON	GA1210006 HAPEVILLE TIME/REGULAR 08/07/2002	101 ATLANTA WATER SYSTEM	GA1210001 PURCHASE CONNECTION SURFACE WATER	ACTIVE FULL
FULTON	GA1210007 MOUNTAIN PARK TIME/REGULAR 08/07/2002	101 COBB CO.-MARIETTA WATER SYSTEM	GA0670002 PURCHASE CONNECTION SURFACE WATER	ACTIVE FULL
FULTON	GA1210008 PALMETTO 05/23/2002	101 OLD CEDAR CREEK RESERVOIR	INTAKE SURFACE WATER	ACTIVE FULL TIME/REGULAR
FULTON	GA1210008 PALMETTO 05/23/2002	102 NEW CEDAR CREEK RESERVOIR	INTAKE SURFACE WATER	ACTIVE FULL TIME/REGULAR
FULTON	GA1210009 ROSWELL	101 BIG CREEK	INTAKE SURFACE WATER	ACTIVE FULL TIME/REGULAR 10/07/2004
FULTON	GA1210009 ROSWELL TIME/REGULAR 08/07/2002	102 ATLANTA/FULTON CO WATER PLANT	GA1210038 PURCHASE CONNECTION SURFACE WATER	ACTIVE FULL
FULTON	GA1210010 UNION CITY TIME/REGULAR 08/07/2002	101 ATLANTA WATER SYSTEM	GA1210001 PURCHASE CONNECTION SURFACE WATER	ACTIVE FULL
FULTON	GA1210020 CHESTNUT HILL ACADEMY	101 WELL #1	WELL GROUNDWATER	ACTIVE FULL TIME/REGULAR 10/13/1999
FULTON	GA1210037 PROVIDENCE PARK	101 WELL #1	WELL GROUNDWATER	ACTIVE FULL TIME/REGULAR 10/13/1999

## Reference 21





## Map Search Results

Non-printed Panel(s)

Item ID	Community ID	Community Name
13121C0356E	13121C	FULTON CO UNINC AND INC AREAS

[Privacy Policy](#) | [Accessibility](#) | [Contact Us](#) | [FEMA Home](#)

Reference 22

# Georgia Department of Natural Resources

2 Martin Luther King Dr, Suite 1154, Atlanta, Georgia 30334

Noel Holcomb, Commissioner  
Environmental Protection Division  
Carol A. Couch, Ph.D., Director  
404/656-7802

## TRIP REPORT

**Site Name and Location:** ..... J & W Pallet and Drum  
1121 Allene Avenue  
Atlanta, GA 30310

**Trip By:** ..... Larry Castleberry *LC*  
Environmental Engineer

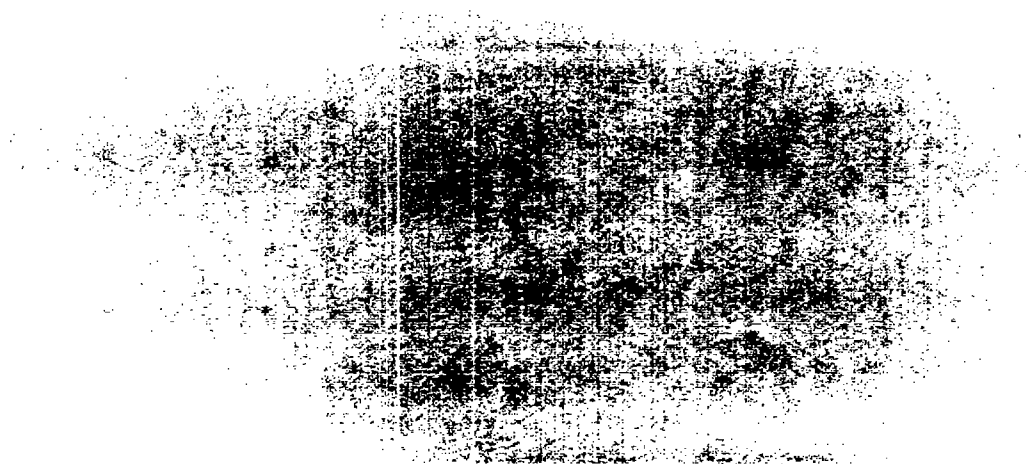
**Date of Trip:** ..... March 17, 2005

### Comments:

This trip was made to confirm the location of the Probable Point of Entry (PPE) for the surface water pathway of potential contamination. Previous reconnaissance and studies of the topographic maps of the area suggested that a combined sewer/stormwater overflow located just east of the intersection of Manford Road and Erin Avenue was the PPE to the surface water pathway.

This information was further confirmed by obtaining maps of the storm drainage lines for the City of Atlanta from the Public Works Department and tracing the flow of stormwater runoff from the site at 1121 Allene through the runoff lines to where it empties at Manford Road.

Reference 23



U . S . E P A R E G I O N I V

# SDMS

## Unscannable Material Target Sheet

DocID: 10546989 Site ID: GAD98431077

Site Name: J & W Pallet & Drum

### Nature of Material:

Map:                     

Computer Disks:                     

Photos:                     

CD-ROM:                     

Blueprints:                     

Oversized Report:                     

Slides:                     

Log Book:                     

Other (describe): Storm Drainage P-16 & 17

Amount of material:                     

\*Please contact the appropriate Records Center to view the material.\*

Reference 24

U . S . E P A R E G I O N I V

# SDMS

## Unscannable Material Target Sheet

DocID: 10546987 Site ID: GA0984310757

Site Name: J & W Pallet & Drum

### Nature of Material:

Map:                     

Computer Disks:                     

Photos:                     

CD-ROM:                     

Blueprints:                     

Oversized Report:                     

Slides:                     

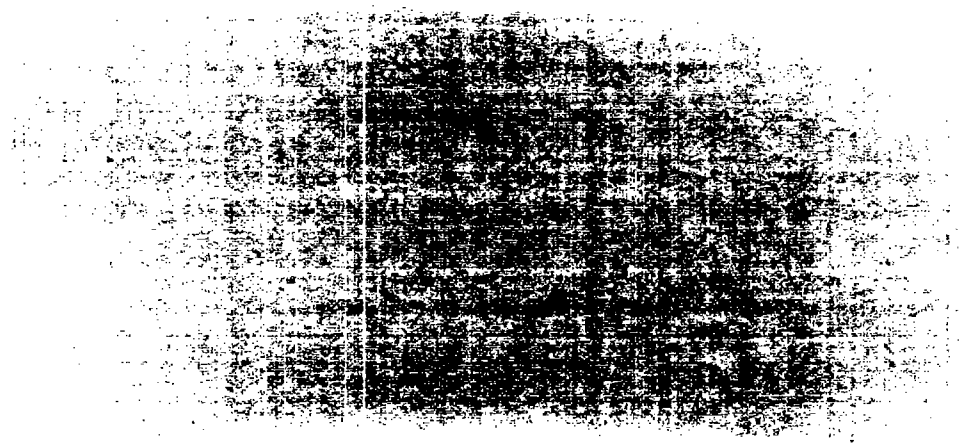
Log Book:                     

Other (describe): Water Resources

Amount of material:                     

\*Please contact the appropriate Records Center to view the material.\*

Reference 25



Reference 26

## TRIP REPORT

**SITE NAME AND LOCATION:** Constitution Road Drum Site  
1235 Constitution Road SE  
Atlanta, DeKalb County, Georgia  
GAD042097642

**TRIP BY:** Billy Hendricks, Environmental Specialist

**DATE OF TRIP:** March 3, 2005

**OFFICIALS CONTACTED:** None

**REFERENCE:** Combined PA/SI Downstream Survey

**COMMENTS:** This inspection was conducted as part of combined CERCLA Preliminary Assessment and Site Investigation. The inspection was unannounced. The purpose of this inspection was to document the existence, or lack thereof, of a target fishery in the 15-mile downstream target distance limit (TDL).

The South River is the subject of fish consumption advisories for predator species, and fails to meet Federal Clean Water Act standards throughout its length, according to the EPD's CWA 305(b) report for January, 2004. This investigator has personal recollections of the South River at most of these locations going back to 1975. The Ga. Hwy. 155 crossing was notorious for flotillas of protein foam generated by the aeration of the shoals. This stream survey included visual survey for 50-100 yards upstream and downstream from the crossings described below; salient features are noted.

Table I: March 3, 2005 Stream Survey

Stream Crossing	Comments
South River at Moreland Avenue	Highly urbanized setting, considerable trash and litter, including asphalt roofing shingles, tires, plastic trash. City of Atlanta South River Wastewater Reclamation Facility (WRF) approximately one river mile upstream. No evidence of human fishing.
Intrenchment Creek at Constitution Road	East of site, north of confluence with South River. Urban stream with litter, casual disposal of debris. No evidence of human fishing. City of Atlanta Intrenchment Creek WRF is less than one river mile upstream.
South River at I-285	No access beyond immediate area due to fence. No evidence of fishing.
South River at Bouldercrest Road	Both upstream and downstream aspects heavily littered, with tires, shingles, and white goods. DeKalb County sanitary sewer parallels the South River in this section. Raft lines as much as ten feet above current river level. No evidence of human fishing.
South River at Pan-	Conditions as at Bouldercrest Road. No evidence of human fishing.

thersville Road.	
South River at Wal-drop Road	Conditions as at Bouldercrest Road. No evidence of human fishing.
South River at Flakes Mill Road	Conditions as at Bouldercrest Road. DeKalb County Snapfinger Creek Advanced Wastewater Treatment Plant located on the east side of the crossing. No evidence of human fishing. Downstream access limited due to security at WWTP.
South River at Georgia Highway 155, and downstream to TDL along Panola Road	Conditions generally the same as at Bouldercrest Road. This area is flat and rocky, with shoals at the road crossing. Pronounced smell of residual ozone or chlorine from aerated river water at shoals. Much evidence of human visitors (fast food containers, beverage bottles, abandoned vehicles), but no evidence of human fishing.

**CONCLUSIONS:** No target fishery in the 15-mile Target Distance Limit.

**PHOTOGRAPHS AND SAMPLING:** Four aerial photographs from USGS Terraserver.

**ATTACHMENTS:** USGS 7.5' Topo Map photocopies: Southeast Atlanta and Redan, Georgia

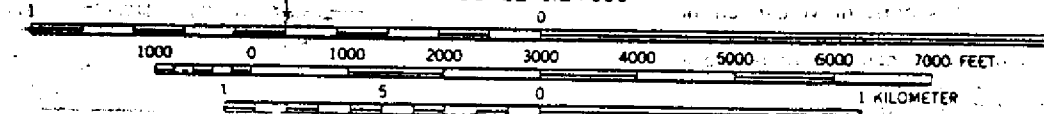
**REVIEWED BY:**

File: Constitution Road Drum Site PA/SI

S:\RDRIVE\BILLYPAS\ConstitutionRoad\ConRoadDrum3-3TR.wpd

27

SCALE 1:24,000



1 acre

10 acres

20 acres

ACREAGE GUIDE

Other information including a narrative report concerning the wetland resources depicted on this document may be available. For information, contact:

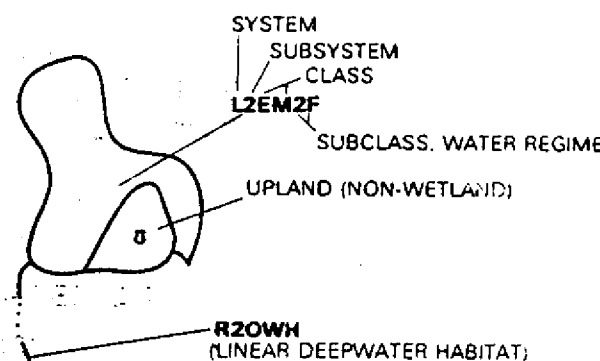
Regional Director (ARDE) Region IV  
U.S. Fish and Wildlife Service  
75 Spring Street S.W.  
Atlanta, Georgia 30303

## SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with Classification of Wetlands and Deepwater Habitats of the United States (FWS/OBS - 79/31 December 1979). The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

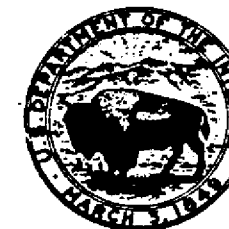
## SYMBOLS EXAMPLE



U - Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

## NOTES TO THE USER

- Wetlands which have been field examined are indicated on the map by an asterisk (\*).
- Additions or corrections to the wetlands information displayed on this map are solicited. Please forward such information to the address indicated.
- Subsystems, Classes, Subclasses, and Water Regimes in *italics* were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as R4SB, R4SBW, or R4SBJ (INTERMITTENT STREAMS) may not meet the definition of wetland.
- This map uses the class Unconsolidated Shore (US). On earlier NWI maps that class was designated Beach/Bar (BB), or Flat (FL). Subclasses remain the same in both versions.



U.S. DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE

Prepared by National Wetlands Inventory

1990

## AERIAL PHOTOGRAPHY

DATE: 3 / 81

SCALE: 1:58,000

TYPE: CIR

DATE: / /

SCALE: / /

TYPE: / /

## SYSTEM

## SUBSYSTEM

CLASS	Subclass
RB - ROCK BOTTOM	1 Bedrock 2 Rubble
UB - UNCONSOLIDATED BOTTOM	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic
AB - AQUATIC BED	1 Algal 2 Rooted Vascular 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent
RF - REEF	1 Coral 2 Worm
OW - OPEN WATER/ Unknown Bottom	
AS - AQUATIC BED	1 Algal 2 Rooted Vascular 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent
RF - REEF	1 Coral 2 Worm
RS - ROCKY SHORE	1 Bedrock 2 Rubble
US - UNCONSOLIDATED SHORE	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

## SYSTEM

## SUBSYSTEM

CLASS	Subclass
RB - ROCK	1 Bedrock 2 Rubble
UB - UNCONSOLIDATED BOTTOM	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic
SB - STREAMBED	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated
AB - AQUATIC BED	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface
RS - ROCKY SHORE	1 Bedrock 2 Rubble
US - UNCONSOLIDATED SHORE	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated
EM - EMERGENT	2 Nonpersistent
OW - OPEN WATER/ Unknown Bottom	

\*STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.  
\*\*EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS. The remaining CLASSES are found in all SUBSYSTEMS.

## SYSTEM

## SUBSYSTEM

CLASS	Subclass
RB - ROCK BOTTOM	1 Bedrock 2 Rubble
UB - UNCONSOLIDATED BOTTOM	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic
AB - AQUATIC BED	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface
US - UNCONSOLIDATED SHORE	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated
ML - MOSS-LICHEN	1 Moss 2 Lichen
EM - EMERGENT	1 Persistent 2 Nonpersistent
SS - SCRUB-SHRUB	1 Broad-Leaved Deciduous 2 Broad-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Broad-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen
FO - FORESTED	1 Broad-Leaved Deciduous 2 Broad-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Broad-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen
OW - OPEN WATER/ Unknown Bottom	

## E - ESTUARINE

CLASS	Subclass
RB - ROCK BOTTOM	1 Bedrock 2 Rubble
UB - UNCONSOLIDATED BOTTOM	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic
AB - AQUATIC BED	1 Algal 2 Rooted Vascular 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface
RF - REEF	2 Mollusc 3 Worm
OW - OPEN WATER/ Unknown Bottom	
AS - AQUATIC BED	1 Algal 2 Rooted Vascular 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface
RF - REEF	2 Mollusc 3 Worm
SB - STREAMBED	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic
RS - ROCKY SHORE	1 Bedrock 2 Rubble
US - UNCONSOLIDATED SHORE	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic
EM - EMERGENT	1 Persistent 2 Nonpersistent
SS - SCRUB-SHRUB	1 Broad-Leaved Deciduous 2 Broad-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Broad-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen
FO - FORESTED	1 Broad-Leaved Deciduous 2 Broad-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Broad-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

## SYSTEM

## SUBSYSTEM

## CLASS

## Subclass

## L - LACUSTRINE

CLASS	Subclass
RB - ROCK BOTTOM	1 Bedrock 2 Rubble
UB - UNCONSOLIDATED BOTTOM	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic
AB - AQUATIC BED	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface
OW - OPEN WATER/ Unknown Bottom	
RB - ROCK BOTTOM	1 Bedrock 2 Rubble
UB - UNCONSOLIDATED BOTTOM	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic
AB - AQUATIC BED	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface
RS - ROCKY SHORE	1 Bedrock 2 Rubble
US - UNCONSOLIDATED SHORE	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated
EM - EMERGENT	2 Nonpersistent
OW - OPEN WATER/ Unknown Bottom	

## SYSTEM

## SUBSYSTEM

## CLASS

## Subclass

## MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The former modifier may also be applied to the ecological system.

## WATER REGIME

Non-Tidal	Tidal
A Temporarily Flooded B Saturated C Seasonally Flooded D Seasonally Flooded/ Well Drained E Seasonally Flooded/ Saturated F Semipermanently Flooded G Intermittently Exposed	H Permanently Flooded J Intermittently Flooded K Artificially Flooded W Intermittently Flooded/Temporary Y Saturated/Semipermanent/ Subsided Z Intermittently Exposed/Permanent U Unknown

\*These water regimes are only used in  
tidally influenced, freshwater systems.

## WATER CHEMISTRY

Coastal Salinity	Inland Salinity	pH Modifiers for all Fresh Water
1 Hypersaline 2 Euxaline 3 Mesohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 7 Fresh	7 Hypersaline 8 Euxaline 9 Mesohaline Q Fresh	a Acid t Circumneutral i Alkaline

## SOIL

g Organic n Mineral
------------------------

## SPECIAL MODIFIERS

b Beaver d Partially Drained/Ditched f Farmed	h Diked/Impounded i Artificial Substrates s Sand k Excavated
---	---

28

# AVERAGE ANNUAL RAINFALL AND RUNOFF IN GEORGIA, 1941-70

ROBERT F. CARTER  
AND  
HAROLD R. STILES

Prepared as part of the  
Accelerated Ground-Water Program  
in cooperation with the  
Department of the Interior  
United States Geological Survey

Department of Natural Resources  
Joe D. Tanner, Commissioner

Environmental Protection Division  
J. Leonard Ledbetter

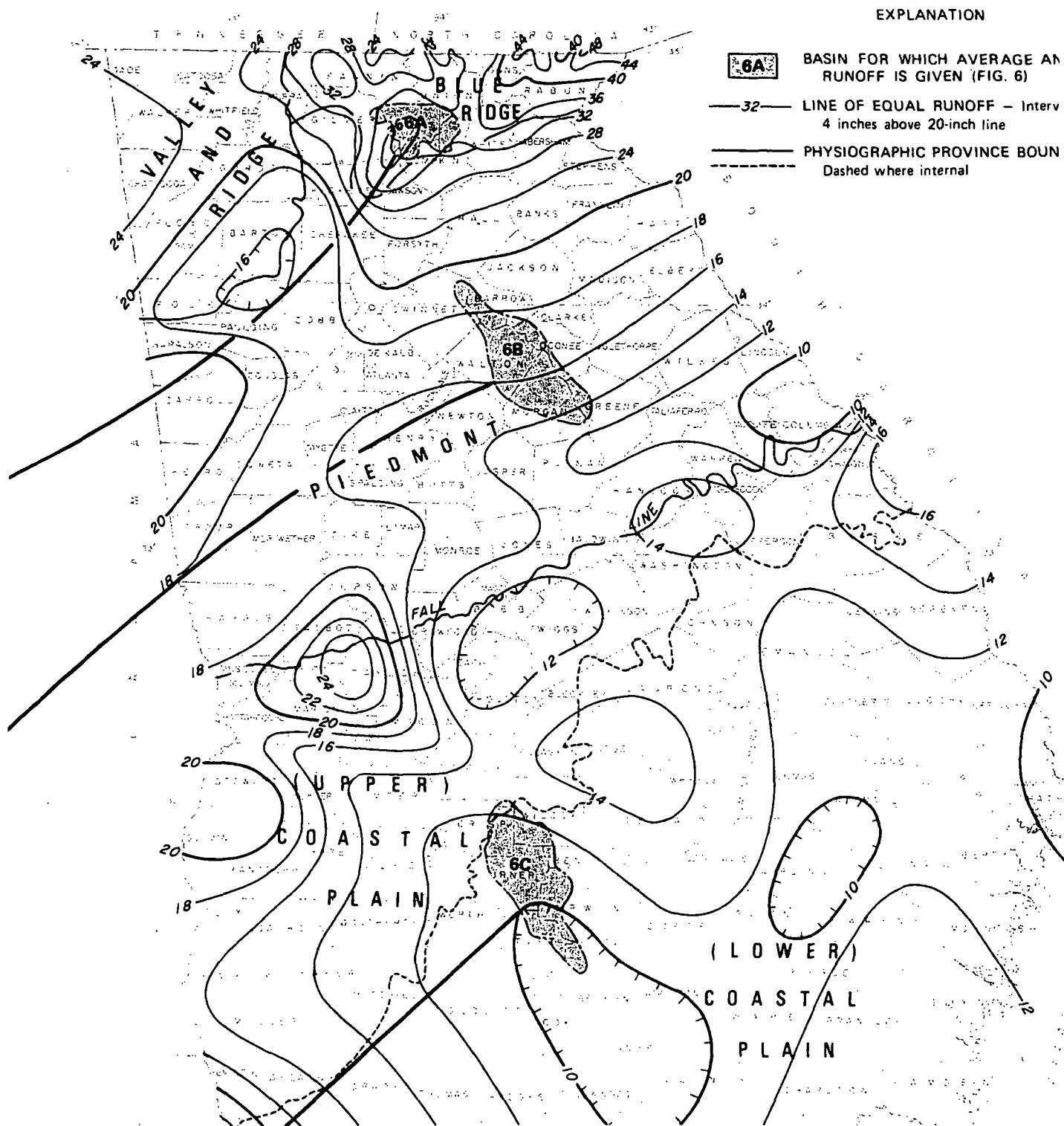
Georgia Geologic Survey  
William H. McLemore

ATLANTA

1983

 HYDROLOGIC ATLAS 9 

The Department of Natural Resources is an equal opportunity employer and offers all persons the opportunity to compete and participate in each area of DNR employment regardless of race, color, religion, sex, national origin, age, handicap or other nonmerit factors.





Reference 29



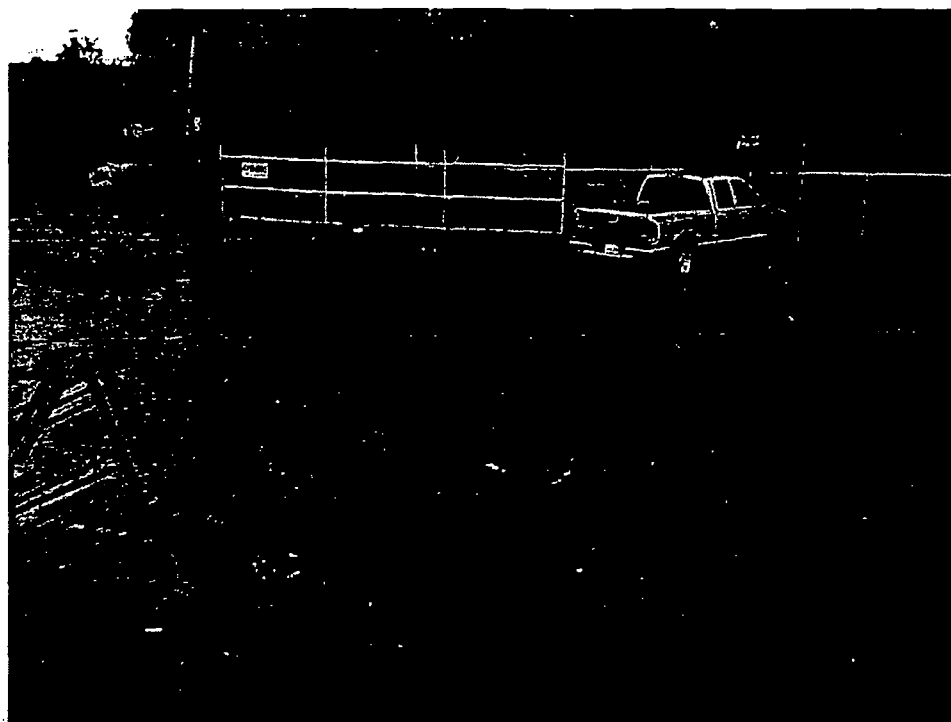
Photos Of Street Flooding in Vicinity of  
J & W Pallet and Drum Due to Clogged Storm Water Drains  
On June 27, 2004



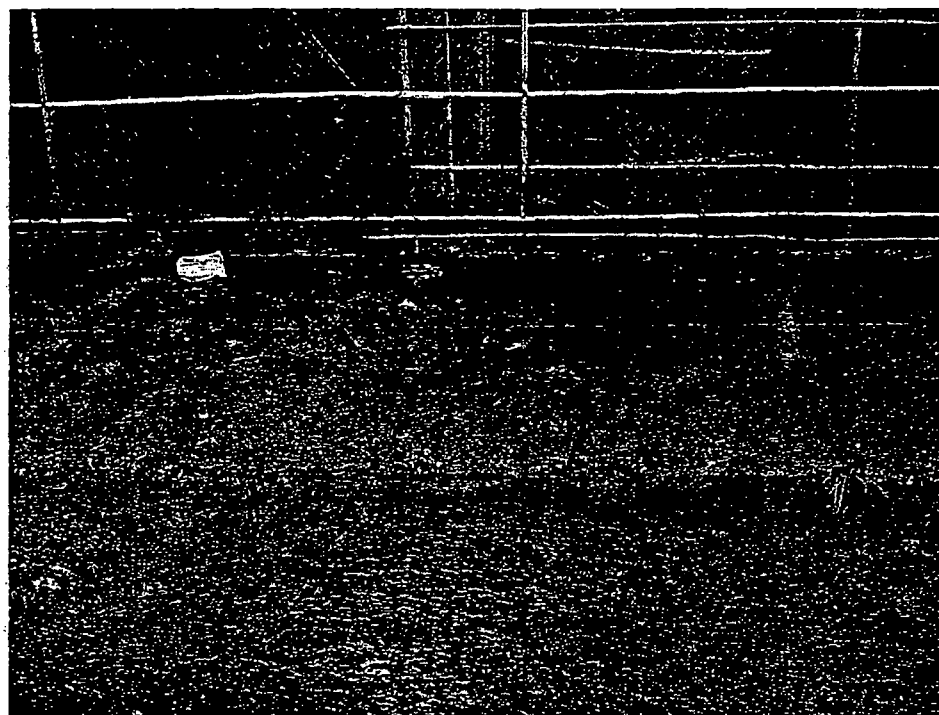
June 27, 2004  
3:14 PM



June 27, 2004  
3:36 PM



June 27, 2004  
4:57 PM



June 27, 2004  
3:37 PM



June 27, 2004  
5:02 PM



June 27, 2004  
3:14 PM

## Reference 30

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# Fulton County Georgia

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Property of  
U. S. GEOLOGICAL SURVEY  
Ground Water Branch

UNITED STATES DEPARTMENT OF AGRICULTURE  
Soil Conservation Service  
In cooperation with the  
UNIVERSITY OF GEORGIA, COLLEGE OF AGRICULTURE

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a point about 5 miles west of Alpharetta. Elevations at several places in the county are as follows: Alpharetta, 1,130 feet; Roswell, 1,072; College Park, 1,057; Atlanta, 1,050; Fairburn, 1,041; Stonewall, 1,024; and Ben Hill, 962.

The drainage system of the county is characterized by a dendritic drainage pattern. The pattern is well developed throughout the uplands, and surface drainage nearly everywhere is good to excessive. For much of Fulton County, drainage is into the Gulf of Mexico by way of the Chattahoochee and Little Rivers and tributaries of the Flint River. About 35 square miles, including the southern part of Atlanta and the adjacent area to the south, is drained eastward into the Atlantic Ocean by tributaries of the South River.

Most of the first bottoms of the Chattahoochee River are well drained, yet they are subject to overflow several times during the year. In many places along other streams, however, sediments recently washed from the surrounding uplands have filled the channels and altered drainage. As a result, many areas along small streams are swampy or semiswampy much of the year. In most places this altered drainage has not had sufficient time to change the characteristics of the soil profile, but some areas are too wet for cultivated crops.

### Climate

The climate of Fulton County is humid and continental. The winters are mild, but they have very changeable temperature. The prevailing wind during winter is northerly. The weather is largely controlled by movement of areas of high and low barometric pressure and the accompanying winds. In winter these conditions cause frequent alternation of warm moist southerly winds and cold dry northerly winds (<sup>7</sup>). Data on normal monthly, seasonal, and annual temperature and precipitation at Atlanta are given in table 1.

The average winter temperature is 45.5° F. The temperature usually rises rapidly in March and April. The difference between the midwinter (January) average and that of midsummer (July) is 34.9°, which is relatively small compared with a difference of 60° in some of the more northern States. The summers are warm but are comparatively free from oppressive heat, because of the altitude and latitude of the county. The average summer temperature is 78.6°.

The average date of the last killing frost in spring is March 29, and that of the first in fall, November 8. The growing season therefore averages 224 days and is sufficient for the production of all the crops commonly grown. Fruit tree blossoms, especially peach blossoms, are occasionally damaged by late frost.

The winters are mild enough for the growing of fall-sown oats, wheat, rye, clover, and other crops for cover and grazing. Turnips, cabbage, kale, radishes, onions, rape, peas, and spinach can be planted late in fall or in December. Potatoes, beets, carrots, collards, and mustard can be planted in January and February, and other vegetables, during the latter part of March and the first part of April. Small grains and clover, if sown late on poorly drained soils, are damaged by

TABLE 1.—Normal monthly, seasonal, and annual temperature and precipitation at Atlanta, Fulton County, Ga.

(Elevation, 977 feet)

Month	Temperature <sup>1</sup>			Precipitation <sup>2</sup>			
	Average	Absolute maximum	Absolute minimum	Average	Driest year (1954)	Wettest year (1948)	Average snow-fall
	<sup>° F.</sup>	<sup>° F.</sup>	<sup>° F.</sup>	<sup>Inches</sup>	<sup>Inches</sup>	<sup>Inches</sup>	<sup>Inches</sup>
December.....	45.2	73	1	4.55	3.00	4.11	0.5
January.....	44.6	76	-2	4.67	3.73	3.47	1.0
February.....	46.7	78	-8	4.82	2.70	6.20	.9
Winter.....	45.5	78	-8	14.04	9.43	13.78	2.4
March.....	52.7	87	8	5.67	3.07	10.19	.2
April.....	61.7	93	26	4.42	1.91	2.82	.1
May.....	70.0	97	38	3.82	3.31	7.83	0
Spring.....	61.5	97	8	13.91	8.29	20.84	.8
June.....	77.7	100	39	4.02	2.08	1.82	0
July.....	79.5	103	58	4.41	6.81	11.26	0
August.....	78.6	100	55	3.81	1.14	4.20	0
Summer.....	78.6	103	39	12.24	9.53	16.78	0
September.....	74.4	102	43	2.96	.26	3.60	0
October.....	68.4	94	28	2.60	.17	.73	( <sup>3</sup> )
November.....	51.9	82	14	3.41	4.12	15.72	.1
Fall.....	63.2	102	14	8.97	4.55	20.05	.1
Year.....	62.2	103	-8	49.16	31.80	71.45	2.8

<sup>1</sup> Average temperature based on 21-year record, through 1955; highest and lowest temperatures on a 52-year record, 1879-1930.

<sup>2</sup> Average precipitation based on a 21-year record, through 1955; wettest and driest years based on a 90-year record, 1869-1955; snow-fall, based on a 41-year record through 1930.

<sup>3</sup> Trace.

the heaving produced by alternate freezing and thawing. Damage to these crops rarely occurs on the better drained sandy soils.

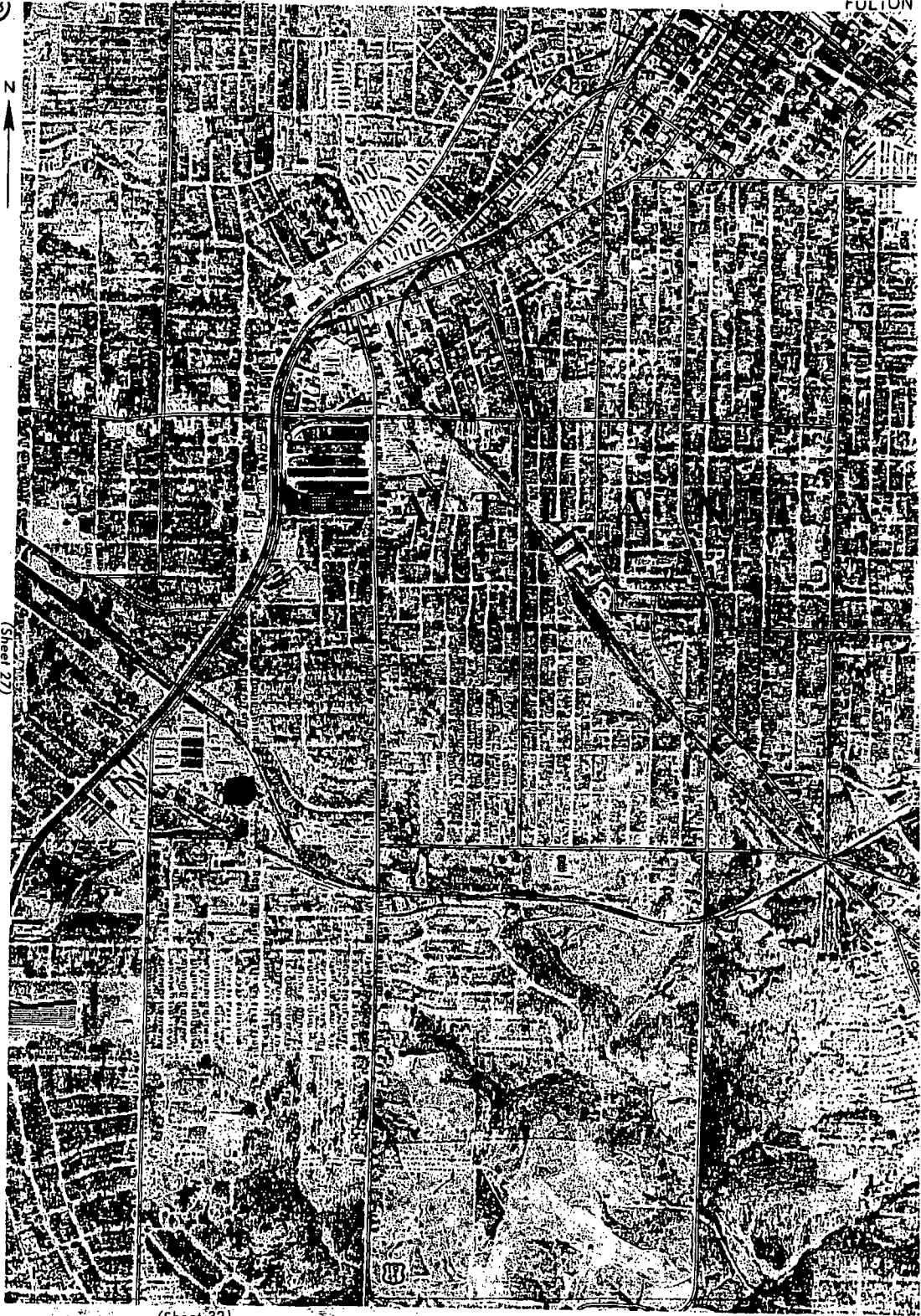
The length of the grazing period depends on the kinds of pasture plants sown and on the amount of fertilizer used. The grazing period for pasture consisting of bermudagrass, broomsedge, crabgrass, common lespedeza, and weeds extends from the latter part of March to the latter part of October. This period can be lengthened by use of proper fertilizers and by seeding with clovers, coastal bermudagrass, tall fescue, orchardgrass, and ryegrass. Permanent pasture should be supplemented with temporary pasture during dry spells and winter.

Rainfall varies somewhat from year to year, but its seasonal distribution is generally favorable for crops. Serious drought is not likely to occur more than once in 10 to 15 years. Wet weather sometimes damages hay during the curing process and small grain at harvesttime. During heavy rains, corn is occasionally drowned out on poorly and somewhat poorly drained soils of first bottoms, and in this kind of weather cotton develops excess foliage and is more

(Sheet 27)



0 1/2 1 Mile Scale 1:20 000 0 5000 Feet



(Sheet 32)

Compiled from aerial photographs flown in 1950.



Permeability is moderately rapid to moderate. In the deeper areas the soil retains moisture fairly well.

Although this stony land is prevailingly steep, it includes a total of about 194 acres in which the slopes are very steep, or more than 25 percent. These steeper areas make up only a relatively small part of the total and are included because their use suitability is similar to that of the less steep areas.

*Use and management (Group C-1).*—The relatively small aggregate area of Stony land, steep, is in forest consisting of a scant mixed stand of pines and hardwoods. This land is not suitable for crops or pasture because of its very strong slopes, high susceptibility to erosion, very poor workability, and very low productivity. It is best used for forest.

#### UNCLASSIFIED CITY LAND

*Unclassified city land (Ua).*—This land type occupies a relatively large part of Fulton County. It includes areas within and adjacent to cities (principally Atlanta). It is so altered or obscured by urban works and structures that identifying and mapping the soils is not feasible or would be of no value to the agriculture of the county. Group C-1.

#### WEHADKEE SERIES

The Wehadkee soils, located on low first bottoms subject to periodic overflow, are poorly drained. They are relatively deep, but the water table is usually high. They are associated with Congaree and Chewacla soils but are unlike them in being mottled throughout their entire depth. Other than color differences, their profile shows very little change from the surface downward.

The soils have a low organic-matter content.

Most of the land cannot be used for cultivated crops because of poor drainage, and in most places adequate drainage is difficult to obtain by artificial means. Productivity for pasture generally is low.

*Wehadkee silt loam (0 to 2 percent slopes) (Wb).*—This soil has formed from young alluvium consisting of material washed from upland soils. New alluvial material is added in places by floodwaters. Runoff is slow to very slow. In places drainage is so poor that the soil is semiswampy. Erosion is not a factor except possibly for some stream scouring in places during high water. Because of poor drainage, this soil has a narrower use range and lower productivity than the associated Congaree and Chewacla soils.

Profile in a cultivated area:

##### Surface soil—

0 to 11 inches, olive-gray friable silt loam; medium distinct mottles of brown are common; weak fine crumb structure.

##### Subsurface—

11 to 19 inches, light brownish-gray friable silt loam; brown and gray distinct medium mottles in moderate numbers; moderate fine crumb structure.

19 to 36 inches, gray friable silt loam; yellow and brown medium mottles are common and easily visible; weak fine crumb structure.

##### Underlying material—

36 inches +, varicolored friable alluvial material composed mainly of a mixture of fine sand, silt, and clay.

The profile layers vary a little in thickness from place to place. The textures also vary, and layers of different alluvial material occur at various depths, especially in the lower part of the profile. The soil is friable when moist but is hard and cloddy when dry.

This soil has comparatively high fertility, but it is poorly supplied with organic matter. It is medium acid throughout the entire profile. Permeability is slow in the surface soil and very slow in the subsurface. The moisture-holding capacity is very high.

Mapped with this soil are about 565 acres of Wehadkee very fine sandy loam, which differs principally in texture. This very fine sandy loam is included because of only slight difference in texture and similar use suitability.

*Use and management (Group B-2).*—More than half of Wehadkee silt loam is in forest. The trees are chiefly alder, blackgum, and willow, and the undergrowth is mostly reeds and coarse marshgrasses. Pasture is generally confined to the better drained areas. Some of the soil is idle and a small percentage is tilled.

Poor drainage, very poor workability, low productivity, and other unfavorable features limit the use of this soil for crops. Late summer crops can be grown in the better drained places. In areas where adequate drainage can be obtained, corn does fairly well. The better drained areas and those that can be improved by artificial drainage, if properly seeded and otherwise well managed, are moderately well suited to pasture. Even in such places, coarse water-loving grasses that have low grazing value are likely to replace the more desirable pasture plants. Deepening and widening the channels of smaller streams, where practicable, would be necessary to obtain adequate drainage. Suitable engineering improvements along the larger streams would also improve drainage.

*Wehadkee fine sandy loam (0 to 2 percent slopes) (We).*—This soil differs from Wehadkee silt loam principally in containing more sand and in having a coarser texture throughout its profile.

The 12-inch surface soil is an olive-gray friable fine sandy loam, mottled with brown. The subsurface layer is about 26 inches thick. In the upper 9 inches it is a light brownish-gray friable fine sandy loam, mottled with brown and gray, but in the lower 17 inches it is a gray friable fine sandy loam mottled with yellow and brown. The surface soil and subsurface layer vary a little in texture, color, and thickness from place to place. The material underlying the subsurface layer is mottled friable alluvium composed largely of sand, silt, and clay.

Wehadkee fine sandy loam has slow to very slow runoff. In places new alluvial material is deposited during floods. Ordinarily erosion is not a hazard, but in places some stream erosion takes place. The water table is reasonably high. In general, the soil is poorly drained; in places drainage is so poor that swamps occur.

This soil has comparatively high fertility. It is medium acid throughout its entire depth. The surface soil is slowly permeable, and the subsurface material is very slowly permeable. The moisture-holding capacity is very high.

*Use and management (Group B-2).*—More than half of this soil is forested. Most of the rest is idle or

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<http://georgia.wildlife.dnr.state.ga.us/content/species/location-by-quarterquad.asp?list=>

## Locations of Special Concern Animals, Plants and Natural Communities by Quarter Quad Names Starting with (S)

"US" indicates species with federal status (Protected, Candidate or Partial Status). Species that are federally protected in Georgia are also state protected.

"GA" indicates Georgia protected species.

Find details for the species below on our special concern lists for [animals](#) and [plants](#).

Date of information - 10/22/2004

### SAFFOLD, GA-AL-FL (NE)

- *Aesculus parviflora* Bottlebrush Buckeye
- *Amorpha nitens* Shining Indigo-bush
- *Etheostoma edwini* Brown Darter
- *Ichthyomyzon gagei* Southern Brook Lamprey
- US · *Lampsilis subangulata* Shinyrayed Pocketbook
- US · *Medionidus penicillatus* Gulf Moccasinshell
- *Moxostoma sp. 1* Greyfin Redhorse
- GA · *Notropis harperi* Redeye Chub
- *Scartomyzon lachneri* Greater Jumprock
- US · *Schwalbea americana* Chaffseed
- *Tephrosia mohrii* Dwarf Goats Rue

### SAFFOLD, GA-AL-FL (SE)

- *Amorpha nitens* Shining Indigo-bush

### SALE CITY, GA (NW)

- GA · *Evolvulus sericeus* var. *sericeus* Creeping Morning-glory

### SALE CITY, GA (SE)

- GA · *Sarracenia flava* Yellow Flytrap
- GA · *Sarracenia psittacina* Parrot Pitcherplant

### SANDERSVILLE, GA (NW)

- *CAVE* Cave
- *Myotis austroriparius* Southeastern Myotis
- GA · *Schisandra glabra* Bay Starvine

### SANDERSVILLE, GA (SE)

- GA · *Clemmys guttata* Spotted Turtle

**SOUTH CANTON, GA (SE)**

- *Hybopsis lineapunctata* Lined Chub

**SOUTH CANTON, GA (SW)**

- US · *Etheostoma scotti* Cherokee Darter
- US · *Haliaeetus leucocephalus* Bald Eagle
- *Hybopsis lineapunctata* Lined Chub

**SOUTHEAST ATLANTA, GA (SW)**

- GA · *Cypripedium acaule* Pink Ladyslipper

**SOUTHWEST ATLANTA, GA (NE)**

- GA · *Aimophila aestivalis* Bachman's Sparrow

**SOUTHWEST ATLANTA, GA (NW)**

- GA · *Aimophila aestivalis* Bachman's Sparrow
- GA · *Cypripedium acaule* Pink Ladyslipper

**SOUTHWEST ATLANTA, GA (SE)**

- GA · *Aimophila aestivalis* Bachman's Sparrow

**SOUTHWEST ATLANTA, GA (SW)**

- GA · *Aimophila aestivalis* Bachman's Sparrow
- US · *Aster georgianus* Georgia Aster

**SPARTA, GA (NW)**

- US · *Amphianthus pusillus* Pool Sprite

**SPARTA, GA (SE)**

- US · *Amphianthus pusillus* Pool Sprite
- *Aster avitus* Alexander Rock Aster
- *Elatine triandra* Longstem Waterwort
- *Eriocaulon koernickianum* Dwarf Pipewort
- *Fimbristylis brevivaginata* Flatrock Fimbry
- *Pilularia americana* American Pillwort

Vertebrates

Amphibians  
Reptiles  
Birds  
Mammals

## Sparrows

### Bachman's Sparrow, *Aimophila aestivalis*

**Scientific name:** The genus name is derived from the combination of two Greek words, *aima* (blood) and *phila* (fond of), but the reason for this name is unknown. The species name is a Latin word meaning "summery."

### Classification

**Phylum:** Chordata

**Subphylum:** Vertebrata

**Class:** Aves

**Order:** Passeriformes

**Family:** Emberizidae

### Species Description

Size: 15 cm (6 in) in length. Color: Brown or grayish-brown overall; buffy or gray ear patch; thin dark stripe extending behind the eye; light eyebrow; breast and sides buffy or gray; belly white. Other things to look for: Rounded tail and large bill.

### Life Cycle

The breeding season begins in late April, peaks in May, and extends to mid-July. The breeding habitat includes pine woods, especially in areas with a dense understory. The cup-shaped nest is built by the female on the ground out of grass and other plant material. The nest may be domed with grass for protection. The female lays 3-5 eggs that she incubates for 14 days. The young are altricial and fledge 10-11 days after hatching. If the female is disturbed on the nest, she may perform a distraction display by dragging her wing or feigning injury to draw a predator away from the nest.

### Natural History

The Bachman's Sparrow most often frequents pine woodlands and dry wooded areas. Its diet includes seeds, insects, spiders, and other small invertebrates. Food is gathered by searching the ground and low vegetation. Some individuals of this species are migratory.

### Range

During the breeding season, the Bachman's Sparrow occurs throughout most of the southeastern United States. During the winter, birds may be found from coastal North Carolina, south through Florida and west from Georgia to southern Arkansas and Louisiana.

### Conservation Status

The range of this species is steadily shrinking and its numbers appear to be declining for unknown reasons.



It is listed as Endangered in Tennessee and Threatened in North Carolina, Oklahoma, and Kentucky. It is being monitored throughout the rest of the Southeast.

### Similar Species

Similar species include the Field Sparrow and the Grasshopper Sparrow. Field Sparrows are smaller and have a pink bill. Grasshopper Sparrows are also smaller, and have pale streaking on their breast and flanks, a light crown stripe, and a short tail.

Birds: Classification, Species, list, References

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## *Georgia Wildlife Web*

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Information provided by: The Georgia Museum of Natural History and Georgia Department of Natural Resources  
1 June 2000




Bachman's Sparrow

Reference: [www.floridabirding.com/html/bachmans\\_sparrow.html](http://www.floridabirding.com/html/bachmans_sparrow.html)

**Endangered, Threatened and Special Concern Plants and Animals of the NE Quadrant of the Southwest Atlanta 7.5' Topographical Map**

Scientific Name	Common Name	Protective Status	Habitat in Georgia	Photo/Drawing
<i>Aimophila aestivalis</i>	Bachman's Sparrow	GA Rare Species	Open pine or oak woods; old fields; brushy areas	

References

 <b>Potential Hazardous Waste Site Preliminary Assessment Form</b>		<b>Identification</b>	
		State: <b>GA</b>	CERCLIS Number: <b>GAD984310797</b>
		CERCLIS Discovery Date: <b>6/24/2004</b>	
<b>1. General Site Information</b>			
Name: <b>J&amp;W PALLET &amp; DRUM</b>		Street Address: <b>1121 ALLENE AVENUE, SW</b>	
City: <b>ATLANTA</b>	State: <b>GA</b>	Zip Code: <b>30310</b>	County: <b>FULTON</b>
Latitude: <b>33° 43' 27. - "</b>	Longitude: <b>84° 24' 49. - "</b>	Approximate Area of Site: <b>0.7</b> Acres	Status of Site: <input type="checkbox"/> Active <input type="checkbox"/> Not Specified <input checked="" type="checkbox"/> Inactive <input type="checkbox"/> NA (GW plume, etc.)
<b>2. Owner/Operator Information</b>			
Owner: <b>BROWN J. MERCER</b>		Operator: <b>NONE</b>	
Street Address: <b>2028 CHESTERFIELD DR., NE</b>		Street Address:	
City: <b>ATLANTA</b>		City:	
State: <b>GA</b>	Zip Code: <b>30345</b>	Telephone: <b>( ) UNLISTED</b>	State: <b>( )</b>
Type of Ownership: <input checked="" type="checkbox"/> Private <input type="checkbox"/> Federal Agency Name: _____ <input type="checkbox"/> State <input type="checkbox"/> Indian		How Initially Identified: <input checked="" type="checkbox"/> Citizen Complaint <input type="checkbox"/> PA Petition <input type="checkbox"/> State/Local Program <input type="checkbox"/> RCRA/CERCLA Notification	
<b>3. Site Evaluator Information</b>			
Name of Evaluator: <b>LARRY CASTLEBERRY</b>	Agency/Organization: <b>GA EPD - HWMB</b>	Date Prepared: <b>7/26/2005</b>	
Street Address: <b>2 MLK, JR. DR., SW SUITE 1154 E</b>		City: <b>ATLANTA</b>	State: <b>GA</b>
Name of EPA or State Agency Contact: <b>ANDY TAFT</b>		Street Address: <b>SAME</b>	
City: <b>SAME</b>	State: <b>SAME</b>	Telephone: <b>(404) 656-2833</b>	
<b>4. Site Disposition (for EPA use only)</b>			
Emergency Response/Removal Assessment Recommendation: <input type="checkbox"/> Yes <input type="checkbox"/> No Date: _____	CERCLIS Recommendation: <input type="checkbox"/> Higher Priority SI <input type="checkbox"/> Lower Priority SI <input type="checkbox"/> NFRAP <input type="checkbox"/> RCRA <input type="checkbox"/> Other _____ Date: _____	Signature:  Name (typed):  Position:	



Potential Hazardous Waste Site  
Preliminary Assessment Form - Page 2 of 4

CERCLIS Number:

GAD984310797

### 5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site (check all that apply):

- ☒ Industrial ☐ Agriculture ☐ DOI  
☒ Commercial ☐ Mining ☐ Other Federal Facility  
☒ Residential ☐ DOD  
☐ Forest/Fields ☐ DOE ☐ Other \_\_\_\_\_

Site Setting:

- ☒ Urban  
☐ Suburban  
☐ Rural

Years of Operation:

Beginning Year 1993

Ending Year 2004

☐ Unknown

Type of Site Operations (check all that apply):

- ☐ Manufacturing (must check subcategory)  
☐ Lumber and Wood Products  
☒ Inorganic Chemicals  
☐ Plastic and/or Rubber Products  
☒ Paints, Varnishes  
☒ Industrial Organic Chemicals  
☐ Agricultural Chemicals  
(e.g., pesticides, fertilizers)  
☐ Miscellaneous Chemical Products  
(e.g., adhesives, explosives, ink)  
☐ Primary Metals  
☐ Metal Coating, Plating, Engraving  
☐ Metal Forging, Stamping  
☐ Fabricated Structural Metal Products  
☐ Electronic Equipment  
☐ Other Manufacturing  
☐ Mining  
☐ Metals  
☐ Coal  
☐ Oil and Gas  
☐ Non-metallic Minerals
- ☒ Retail  
☒ Recycling (drum)  
☐ Junk/Salvage Yard  
☐ Municipal Landfill  
☐ Other Landfill  
☐ DOD  
☐ DOE  
☐ DOI  
☐ Other Federal Facility  
☐ RCRA  
☐ Treatment, Storage, or Disposal  
☐ Large Quantity Generator  
☒ Small Quantity Generator  
☐ Subtitle D  
☐ Municipal  
☐ Industrial  
☐ "Converter"  
☐ "Protective Filer"  
☐ "Non- or Late Filer"  
☐ Not Specified  
☐ Other \_\_\_\_\_

Waste Generated:

- ☒ Onsite  
☐ Offsite  
☐ Onsite and Offsite

Waste Deposition Authorized By:

- ☐ Present Owner  
☐ Former Owner  
☐ Present & Former Owner  
☐ Unauthorized  
☒ Unknown

Waste Accessible to the Public:

- ☐ Yes  
☒ No

Distance to Nearest Dwelling,  
School, or Workplace:

> 200 Feet

### 6. Waste Characteristics Information

Source Type:  
(check all that apply)

- ☐ Landfill  
☐ Surface Impoundment  
☐ Drums  
☒ Tanks and Non-Drum Containers  
☐ Chemical Waste Pile  
☐ Scrap Metal or Junk Pile  
☐ Tailings Pile  
☐ Trash Pile (open dump)  
☐ Land Treatment  
☐ Contaminated Ground Water Plume  
(unidentified source)  
☐ Contaminated Surface Water/Sediment  
(unidentified source)  
☒ Contaminated Soil  
☐ Other \_\_\_\_\_  
☐ No Sources

Source Waste Quantity:  
(include units)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
> 1000 55 gal.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
0.7 acres  
\_\_\_\_\_  
\_\_\_\_\_

Tier <sup>\*</sup>:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Y  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
A  
\_\_\_\_\_  
\_\_\_\_\_

General Types of Waste (check all that apply)

- ☒ Metals ☐ Pesticides/Herbicides  
☒ Organics ☒ Acids/Bases  
☒ Inorganics ☐ Oily Waste  
☒ Solvents ☐ Municipal Waste  
☐ Paints/Pigments ☐ Mining Waste  
☐ Laboratory/Hospital Waste ☐ Explosives  
☐ Radioactive Waste ☐ Other \_\_\_\_\_  
☐ Construction/Demolition  
Waste

Physical State of Waste as Deposited (check all that apply):

- ☐ Solid ☐ Sludge ☐ Powder  
☒ Liquid ☐ Gas

\* C = Constituent, W = Wastestream, V = Volume, A = Area



Potential Hazardous Waste Site  
Preliminary Assessment Form - Page 4 of 4

CERCLIS Number:

### 8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

- ☒ Yes  
☐ No

Have Primary Target Wetlands Been Identified:

- ☒ Yes  
☐ No

List Secondary Target Wetlands:

Water Body	Flow (cfs)	Frontage Miles
South River	7100	7 1/2

Other Sensitive Environments Located Along the Surface Water Migration Path:

- ☒ Yes  
☐ No

Have Primary Target Sensitive Environments Been Identified:

- ☒ Yes  
☐ No

List Secondary Target Sensitive Environments:

Water Body	Flow (cfs)	Sensitive Environment Type
NONE		

### 9. Soil Exposure Pathway

Are People Occupying Residences or Attending School or Daycare on or Within 200 Feet of Areas of Known or Suspected Contamination:

- ☒ Yes  
☐ No

If Yes, Enter Total Resident Population:

\_\_\_\_\_ People

Number of Workers Onsite:

- ☒ None  
☐ 1 - 100  
☐ 101 - 1,000  
☐ > 1,000

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination:

- ☐ Yes  
☒ No

If Yes, List Each Terrestrial Sensitive Environment:

### 10. Air Pathway

Is There a Suspected Release to Air:

- ☒ Yes  
☐ No

Enter Total Population on or Within:

Onsite	0
0 - 1/4 Mile	733
> 1/4 - 1/2 Mile	2626
> 1/2 - 1 Mile	10542
> 1 - 2 Miles	40185
> 2 - 3 Miles	59876
> 3 - 4 Miles	84586
Total Within 4 Miles	198548

Wetlands Located Within 4 Miles of the Site:

- ☒ Yes  
☐ No

Other Sensitive Environments Located Within 4 Miles of the Site:

- ☒ Yes  
☐ No

List All Sensitive Environments Within 1/4 Mile of the Site:

Distance	Sensitive Environment Type/Wetlands Area (acres)
----------	--

Onsite	NONE
0 - 1/4 Mile	
> 1/4 - 1/2 Mile	



Potential Hazardous Waste Site  
Preliminary Assessment Form - Page 3 of 4

CERCLIS Number:

GAD9843 10797

### 7. Ground Water Pathway

Is Ground Water Used for Drinking Water Within 4 Miles:

- ☒ Yes  
☐ No

Type of Drinking Water Wells Within 4 Miles (check all that apply):

- ☐ Municipal  
☒ Private  
☐ None

Is There a Suspected Release to Ground Water:

- ☒ Yes  
☐ No

Have Primary Target Drinking Water Wells Been Identified:

- ☐ Yes  
☒ No

If Yes, Enter Primary Target Population:

\_\_\_\_\_ People

List Secondary Target Population Served by Ground Water Withdrawn From:

0 - 1/4 Mile	0
> 1/4 - 1/2 Mile	0
> 1/2 - 1 Mile	0
> 1 - 2 Miles	19
> 2 - 3 Miles	419
> 3 - 4 Miles	188
Total Within 4 Miles	626

Depth to Shallowest Aquifer:

200 Feet

Karst Terrain/Aquifer Present:

- ☐ Yes  
☒ No

Nearest Designated Wellhead Protection Area:

- ☐ Underlies Site  
☐ > 0 - 4 Miles  
☒ None Within 4 Miles

### 8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (check all that apply):

- ☒ Stream ☒ River ☐ Pond ☐ Lake  
☐ Bay ☐ Ocean ☐ Other \_\_\_\_\_

Shortest Overland Distance From Any Source to Surface Water:

7500 Feet

\_\_\_\_\_ Miles

Is There a Suspected Release to Surface Water:

- ☒ Yes  
☐ No

Site is Located in:

- ☐ Annual - 10 yr Floodplain  
☐ > 10 yr - 100 yr Floodplain  
☐ > 100 yr - 500 yr Floodplain  
☒ > 500 yr Floodplain

Drinking Water Intakes Located Along the Surface Water Migration Path:

- ☐ Yes  
☒ No

Have Primary Target Drinking Water Intakes Been Identified:

- ☐ Yes  
☒ No

If Yes, Enter Population Served by Primary Target Intakes:

\_\_\_\_\_ People

List All Secondary Target Drinking Water Intakes:

Name	Water Body	Flow (cfs)	Population Served
------	------------	------------	-------------------

NONE			

Total within 15 Miles 0

Fisheries Located Along the Surface Water Migration Path:

- ☐ Yes  
☒ No

Have Primary Target Fisheries Been Identified:

- ☐ Yes  
☒ No

List All Secondary Target Fisheries:

Water Body/Fishery Name	Flow (cfs)
-------------------------	------------

NONE	

APPENDIX A

OMB Approval Number: 2050-0095  
Approved for Use Through: 1/92

## ***PA Scoresheets***

Site Name: JE W PALLET & DRUM

CERCLIS ID No.: GAD984310797

Street Address: 1121 ALLENE AVE SW

City/State/Zip: ATLANTA, GA 30310

Investigator: LARRY CASTLEBERRY

Agency/Organization: GA EPD - HWMB  
2 MLK, JR. DR. SW

Street Address: SUITE 1154 EAST TOWER

City/State/Zip: ATLANTA, GA 30334

Date: 7/26/2005

## GENERAL INFORMATION

## Site Description and Operational History:

Former Drum Recycling Facility located at 1121 Allen Ave., Atlanta, GA.  
 Occupies 0.7 acres of land in a commercial part of town. There  
 is one structure on site that is / appears to be collapsing.  
 The grounds of the site are covered in a layer of gravel.  
 It's bounded on the east and south by commercial buildings  
 and streets to the north and west.  
 Facility is currently closed.

Probable Substances of Concern:  
 (Previous investigations, analytical data)

Phase I, Modified Phase II, Soil borings, Groundwater Sampling

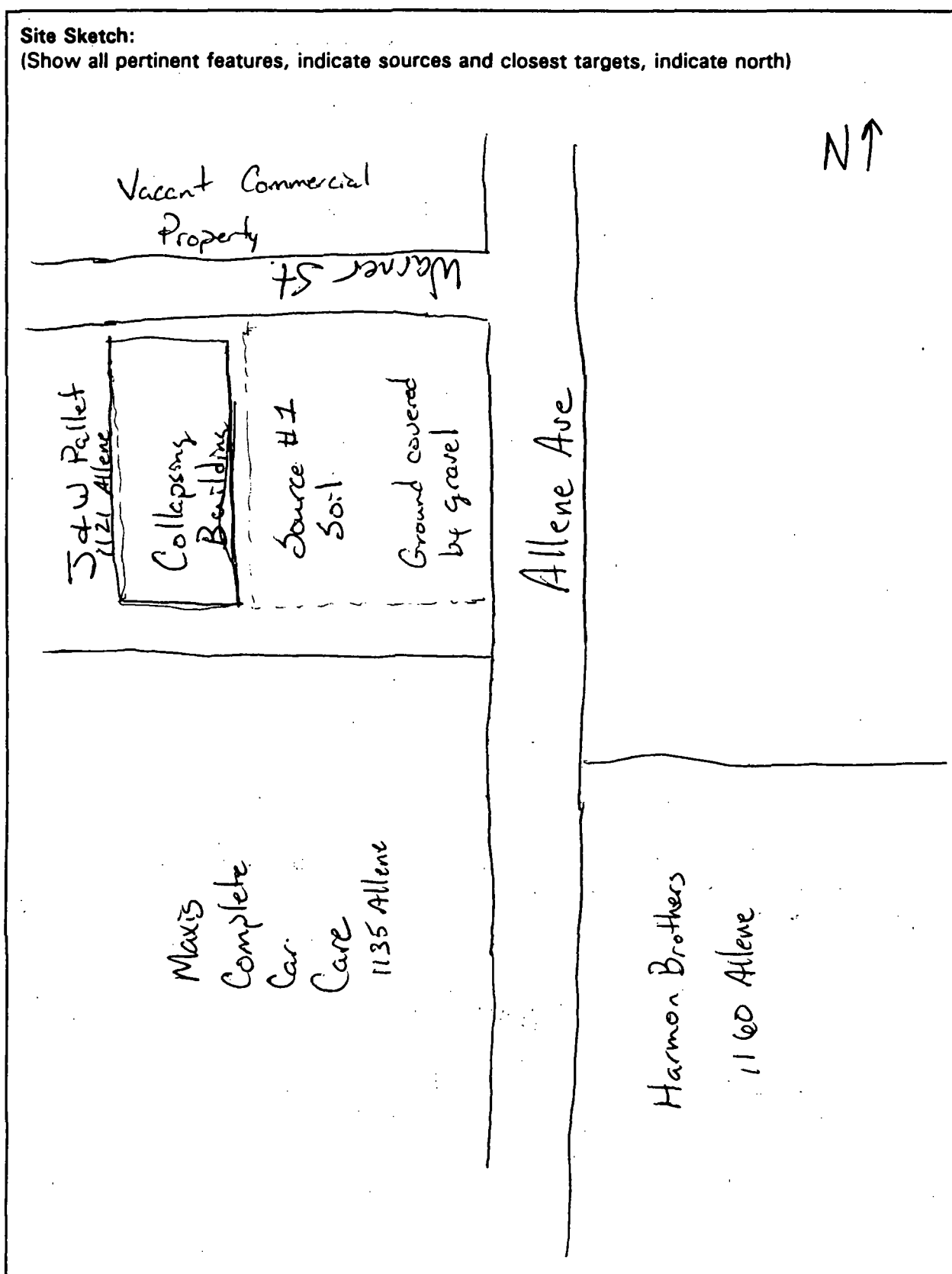
Concerns

Lead	Acetone	Manganese
Tin	Ethylbenzene	Nickel
Toluene	Toluene	Cadmium
Xylene (m,o,p)	Zinc	bis (2-ethylhexyl) phthalate
Barium	Mercury	PAHs
Chromium	Arsenic	
PCE	Copper	

## GENERAL INFORMATION (continued)

## Site Sketch:

(Show all pertinent features, indicate sources and closest targets, indicate north)



## SOURCE EVALUATION

Source No.: 1	Source Name: Site Soil	Source Waste Quantity (WQ) Calculations:
Source Description: Analytical Data suggests that the Site Soil has been impacted by releases of hazardous constituents from onsite containers		Using PA Table 1 for Single Source: Area Site Area = 0.7 acres $\leq$ 7.8 acres WC=18

Source No.:	Source Name:	Source Waste Quantity (WQ) Calculations:
Source Description:		

Source No.:	Source Name:	Source Waste Quantity (WQ) Calculations:
Source Description:		

Site WC:

18

PA TABLE 1: WASTE CHARACTERISTICS (WC) SCORES

PA Table 1a: WC Scores for Single Source Sites and Formulas for Multiple Source Sites

TIER	SOURCE TYPE	SINGLE SOURCE SITES (assigned WC scores)			MULTIPLE SOURCE SITES
		WC = 18	WC = 32	WC = 100	
CONSTITUENT	N/A	≤ 100 lb	> 100 to 10,000 lb	> 10,000 lb	$lb \div 1$
WATERSTREAM	N/A	≤ 500,000 lb	> 500,000 to 50 million lb	> 50 million lb	$lb \div 5,000$
VOLUME	Landfill	≤ 6.75 million ft <sup>3</sup> ≤ 250,000 yd <sup>3</sup>	> 6.75 million to 675 million ft <sup>3</sup> > 250,000 to 25 million yd <sup>3</sup>	> 675 million ft <sup>3</sup> > 25 million yd <sup>3</sup>	$ft^3 \div 67,500$ $yd^3 \div 2,500$
	Surface impoundment	≤ 6,750 ft <sup>3</sup> ≤ 250 yd <sup>3</sup>	> 6,750 to 675,000 ft <sup>3</sup> > 250 to 25,000 yd <sup>3</sup>	> 675,000 ft <sup>3</sup> > 25,000 yd <sup>3</sup>	$ft^3 \div 67.5$ $yd^3 \div 2.5$
	Drums	≤ 1,000 drums	> 1,000 to 100,000 drums	> 100,000 drums	$drums \div 10$
	Tanks and non-drum containers	≤ 50,000 gallons	> 50,000 to 5 million gallons	> 5 million gallons	$gallons \div 500$
	Contaminated soil	≤ 6.75 million ft <sup>3</sup> ≤ 250,000 yd <sup>3</sup>	> 6.75 million to 675 million ft <sup>3</sup> > 250,000 to 25 million yd <sup>3</sup>	> 675 million ft <sup>3</sup> > 25 million yd <sup>3</sup>	$ft^3 \div 67,500$ $yd^3 \div 2,500$
	Pile	≤ 6,750 ft <sup>3</sup> ≤ 250 yd <sup>3</sup>	> 6,750 to 675,000 ft <sup>3</sup> > 250 to 25,000 yd <sup>3</sup>	> 675,000 ft <sup>3</sup> > 25,000 yd <sup>3</sup>	$ft^3 \div 67.5$ $yd^3 \div 2.5$
AREA	Other	≤ 6,750 ft <sup>3</sup> ≤ 250 yd <sup>3</sup>	> 6,750 to 675,000 ft <sup>3</sup> > 250 to 25,000 yd <sup>3</sup>	> 675,000 ft <sup>3</sup> > 25,000 yd <sup>3</sup>	$ft^3 \div 67.5$ $yd^3 \div 2.5$
	Landfill	≤ 340,000 ft <sup>2</sup> ≤ 7.8 acres	> 340,000 to 34 million ft <sup>2</sup> > 7.8 to 780 acres	> 34 million ft <sup>2</sup> > 780 acres	$ft^2 \div 3,400$ $acres \div 0.078$
	Surface impoundment	≤ 1,300 ft <sup>2</sup> ≤ 0.029 acres	> 1,300 to 130,000 ft <sup>2</sup> > 0.029 to 2.9 acres	> 130,000 ft <sup>2</sup> > 2.9 acres	$ft^2 \div 13$ $acres \div 0.00029$
	Contaminated soil	≤ 3.4 million ft <sup>2</sup> ≤ 78 acres	> 3.4 million to 340 million ft <sup>2</sup> > 78 to 7,800 acres	> 340 million ft <sup>2</sup> > 7,800 acres	$ft^2 \div 34,000$ $acres \div 0.78$
	Pile*	≤ 1,300 ft <sup>2</sup> ≤ 0.029 acres	> 1,300 to 130,000 ft <sup>2</sup> > 0.029 to 2.9 acres	> 130,000 ft <sup>2</sup> > 2.9 acres	$ft^2 \div 13$ $acres \div 0.00029$
	Land treatment	≤ 27,000 ft <sup>2</sup> ≤ 0.62 acres	> 27,000 to 2.7 million ft <sup>2</sup> > 0.62 to 62 acres	> 2.7 million ft <sup>2</sup> > 62 acres	$ft^2 \div 270$ $acres \div 0.0062$

1 ton = 2,000 lb = 1 yd<sup>3</sup> = 4 drums = 200 gallons

\* Use area of land surface under pile, not surface area of pile.

PA Table 1b: WC Scores for Multiple Source Sites

WQ Total	WC Score
> 0 to 100	18
> 100 to 10,000	32
> 10,000	100

# GROUND WATER PATHWAY GROUND WATER USE DESCRIPTION

## Describe Ground Water Use Within 4-miles of the Site:

(Describe stratigraphy, information on aquifers, municipal and/or private wells)

There are no permitted drinking water wells w/in 4 miles of the site. According to US. Census Data there are several private drinking water wells located between 1-4 miles from the site. These wells and the populations they serve will determine secondary targets.

(Non-Karst)

## Calculations for Drinking Water Populations Served by Ground Water:

Populations provided by Census Data

radius	# wells	population served
0-.25	0	0
.25-.5	0	0
.5-1	0	0
1-2	6	19
2-3	17	419
3-4	21	188
TOTALS	44	626

Ref. 17 & 20

GROUND WATER PATHWAY CRITERIA LIST	
SUSPECTED RELEASE	PRIMARY TARGETS
<p>Y N U e o n s / k</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Are sources poorly contained?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is waste quantity particularly large?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is precipitation heavy?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is the infiltration rate high?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is the site located in an area of karst terrain?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is the subsurface highly permeable or conductive?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is drinking water drawn from a shallow aquifer?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Are suspected contaminants highly mobile in ground water?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Does analytical or circumstantial evidence suggest ground water contamination?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Other criteria? _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> SUSPECTED RELEASE?</p>	<p>Y N U e o n s / k</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is any drinking water well nearby? &lt;.25 mile</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Has any nearby drinking water well been closed?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Has any nearby drinking water user reported foul-tasting or foul-smelling water?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Does any nearby well have a large drawdown or high production rate?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Does analytical or circumstantial evidence suggest contamination at a drinking water well?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Does any drinking water well warrant sampling?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Other criteria? _____</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> PRIMARY TARGET(S) IDENTIFIED?</p>
<p>Summarize the rationale for Suspected Release (attach an additional page if necessary):</p> <p>A suspected Release is assumed because there is analytical data to support that hazardous constituents have been released into the soil and Phase II data shows that ground water samples contain hazardous constituents as well</p>	<p>Summarize the rationale for Primary Targets (attach an additional page if necessary):</p> <p>There are no primary targets identified since there are no "nearby" drinking water wells. Also, no wells have been closed, etc.</p>

## GROUND WATER PATHWAY SCORESHEET

Pathway Characteristics	
Do you suspect a release (see Ground Water Pathway Criteria List, page 7)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Is the site located in karst terrain?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Depth to aquifer:	≈ 200 ft
Distance to the nearest drinking water well:	> 1 mile

## LIKELIHOOD OF RELEASE

1. SUSPECTED RELEASE: If you suspect a release to ground water (see page 7), assign a score of 550. Use only column A for this pathway.
2. NO SUSPECTED RELEASE: If you do not suspect a release to ground water, and the site is in karst terrain or the depth to aquifer is 70 feet or less, assign a score of 500; otherwise, assign a score of 340. Use only column B for this pathway.

A	B
Suspected Release	No Suspected Release
(550)	(500 = 340)
550	
LR = 550	

## References

App C, Ref: 11

## TARGETS

3. PRIMARY TARGET POPULATION: Determine the number of people served by drinking water wells that you suspect have been exposed to a hazardous substance from the site (see Ground Water Pathway Criteria List, page 7).  
 $\underline{0}$  people  $\times 10 =$
4. SECONDARY TARGET POPULATION: Determine the number of people served by drinking water wells that you do NOT suspect have been exposed to a hazardous substance from the site, and assign the total population score from PA Table 2.  
 Are any wells part of a blended system? Yes ☐ No ☒  
 If yes, attach a page to show apportionment calculations.
5. NEAREST WELL: If you have identified a primary target population for ground water, assign a score of 50; otherwise, assign the Nearest Well score from PA Table 2. If no drinking water wells exist within 4 miles, assign a score of zero.
6. WELLHEAD PROTECTION AREA (WHPA): If any source lies within or above a WHPA, or if you have identified any primary target well within a WHPA, assign a score of 20; assign 5 if neither condition holds but a WHPA is present within 4 miles; otherwise assign zero.
7. RESOURCES

0	
9	
(50, 20, 18, 5, 3, 2 = 0)	(20, 18, 5, 3, 2 = 0)
5	
(20, 5 = 0)	(20, 5 = 0)
0	
(5 = 0)	(5 = 0)
5	
19	
T = 19	

App C, Ref 9, 10, 11

App C, Ref 17, 20

App C, Ref 17, 6

App C, Ref. 17, 20

App C, Ref 17

## WASTE CHARACTERISTICS

8. A. If you have identified any primary target for ground water, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.
- B. If you have NOT identified any primary target for ground water, assign the waste characteristics score calculated on page 4.

(100 = 32)	
(100, 32 = 100)	(100, 32 = 100)
18	
18	
WC = 18	

## GROUND WATER PATHWAY SCORE:

$$\frac{LR \times T \times WC}{82,500}$$

(subject to a maximum of 100)

2.28

PA TABLE 2: VALUES FOR SECONDARY GROUND WATER TARGET POPULATIONS

PA Table 2a: Non-Karst Aquifers

Distance from Site	Population	Nearest Well (choose highest)	Population Served by Wells Within Distance Category										Population Value
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	Greater than 100,000	
0 to ¼ mile	<u>0</u>	20	1	2	5	16	52	163	521	1,633	5,214	16,325	<u>0</u>
> ¼ to ½ mile	<u>0</u>	18	1	1	3	10	32	101	323	1,012	3,233	10,121	<u>0</u>
> ½ to 1 mile	<u>0</u>	9	1	1	2	5	17	52	167	522	1,668	5,224	<u>0</u>
> 1 to 2 miles	<u>19</u>	<u>9</u>	1	<u>1</u>	1	3	9	29	94	294	939	2,938	<u>1</u>
> 2 to 3 miles	<u>419</u>	3	1	1	1	2	<u>7</u>	21	68	212	678	2,122	<u>7</u>
> 3 to 4 miles	<u>153</u>	2	1	1	1	<u>1</u>	4	13	42	131	417	1,306	<u>1</u>
Nearest Well =		<u>5</u>	Score =										<u>9</u>

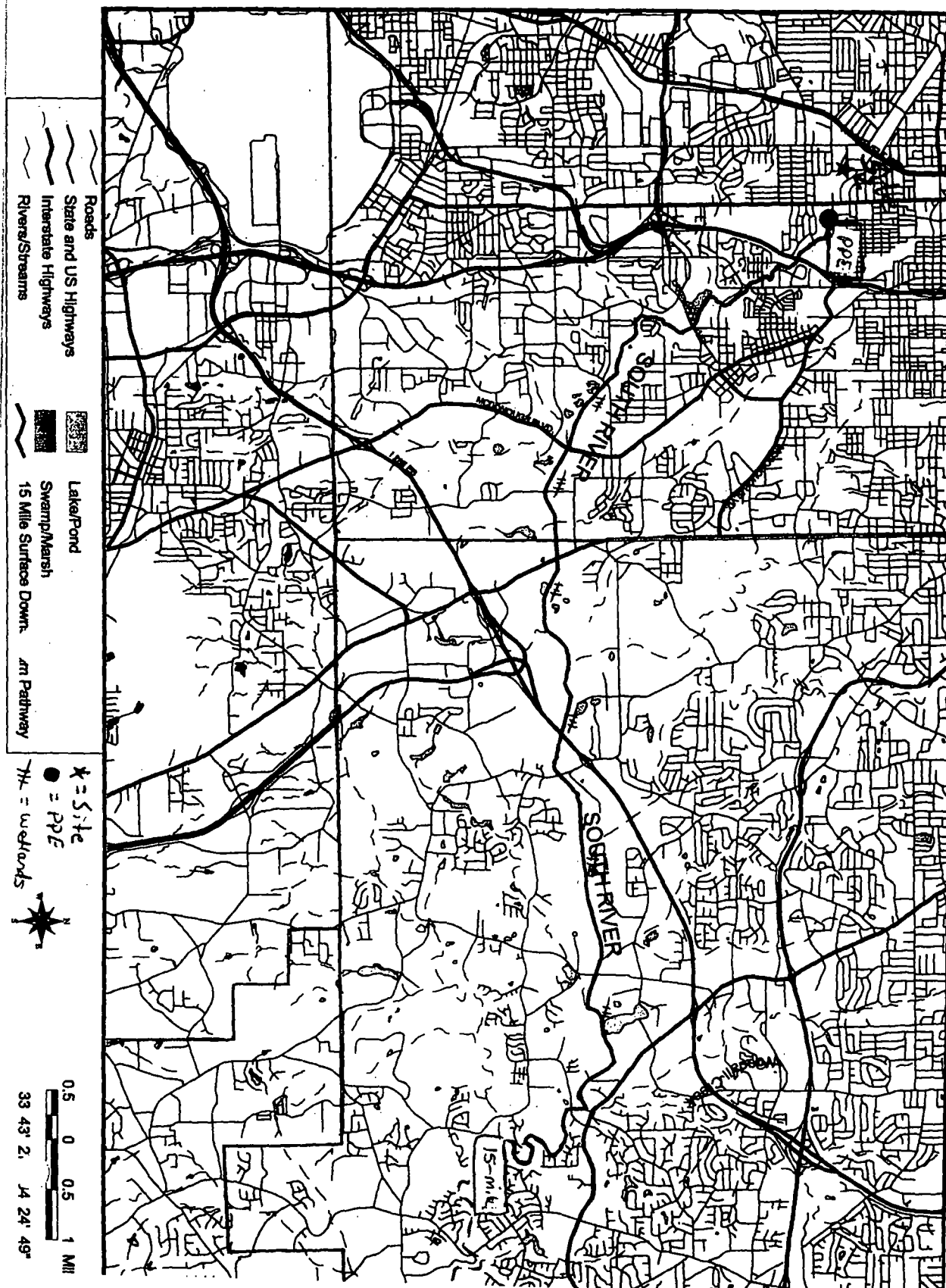
PA Table 2b: Karst Aquifers

Distance from Site	Population	Nearest Well (use 20 for karst)	Population Served by Wells Within Distance Category										Population Value
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	Greater than 100,000	
0 to ¼ mile	_____	20	1	2	5	16	52	163	521	1,633	5,214	16,325	_____
> ¼ to ½ mile	_____	20	1	1	3	10	32	101	323	1,012	3,233	10,121	_____
> ½ to 1 mile	_____	20	1	1	3	8	26	82	261	816	2,607	8,162	_____
> 1 to 2 miles	_____	20	1	1	3	8	26	82	261	816	2,607	8,162	_____
> 2 to 3 miles	_____	20	1	1	3	8	26	82	261	816	2,607	8,162	_____
> 3 to 4 miles	_____	20	1	1	3	8	26	82	261	816	2,607	8,162	_____
Nearest Well =		_____	Score =										_____

## SURFACE WATER PATHWAY MIGRATION ROUTE SKETCH

**Surface Water Migration Route Sketch:**

(include runoff route, probable point of entry, 15-mile target distance limit, intakes, fisheries, and sensitive environments)



SURFACE WATER PATHWAY CRITERIA LIST	
SUSPECTED RELEASE	PRIMARY TARGETS
<p>Y N U e o n s k</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is surface water nearby?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is waste quantity particularly large?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is the drainage area large?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is rainfall heavy?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is the infiltration rate low?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Are sources poorly contained or prone to runoff or flooding?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is a runoff route well defined (e.g., ditch or channel leading to surface water)?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is vegetation stressed along the probable runoff route?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Are sediments or water unnaturally discolored?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is wildlife unnaturally absent?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Has deposition of waste into surface water been observed?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is ground water discharge to surface water likely?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Does analytical or <u>circumstantial</u> evidence suggest surface water contamination?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Other criteria? _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <b>SUSPECTED RELEASE?</b></p>	<p>Y N U e o n s k</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Is any target nearby? If yes:</p> <p><input type="checkbox"/> Drinking water intake</p> <p><input type="checkbox"/> Fishery</p> <p><input checked="" type="checkbox"/> Sensitive environment (wetlands)</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Has any intake, fishery, or recreational area been closed?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Does any target warrant sampling? If yes:</p> <p><input type="checkbox"/> Drinking water intake</p> <p><input type="checkbox"/> Fishery</p> <p><input type="checkbox"/> Sensitive environment</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> Other criteria? _____</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <b>PRIMARY INTAKE(S) IDENTIFIED?</b></p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <b>PRIMARY FISHERY(IES) IDENTIFIED?</b></p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <b>PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED?</b></p>
<p>Summarize the rationale for Suspected Release (attach an additional page if necessary):</p> <p>Pictures show that standing onsite along w/ soil data showing hazardous constituents gives the possibility that surface water could have been impacted from soil contamination.</p>	<p>Summarize the rationale for Primary Targets (attach an additional page if necessary):</p> <p>This is a classic urban stream environment that receives discharge from landfills, treatment plants, etc. There are no surface water intakes or fisheries. However, sensitive environments were located along the surface water pathway. There wetlands, however, are 4 miles downstream from the PDE.</p>

# **SURFACE WATER PATHWAY LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT SCORESHEET**

Pathway Characteristics	
Do you suspect a release (see Surface Water Pathway Criteria List, page 11)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Distance to surface water:	<u>2,500</u> ft
Flood frequency:	<u>2,500</u> yrs
What is the downstream distance to the nearest drinking water intake?	<u>N/A</u> miles
Nearest fishery?	<u>N/A</u> miles
Nearest sensitive environment?	<u>2.6</u> miles

## **LIKELIHOOD OF RELEASE**

- SUSPECTED RELEASE:** If you suspect a release to surface water (see page 11), assign a score of 550. Use only column A for this pathway.
- NO SUSPECTED RELEASE:** If you do not suspect a release to surface water, use the table below to assign a score based on distance to surface water and flood frequency. Use only column B for this pathway.

Distance to surface water $\leq$ 2,500 feet	500
Distance to surface water $>$ 2,500 feet, and	
Site in annual or 10-year floodplain	500
Site in 100-year floodplain	400
Site in 500-year floodplain	300
Site outside 500-year floodplain	100

A Suspected Release (550)	B No Suspected Release (500, 400, 300 or 100)
550	
(550)	(500, 400, 300 or 100)
550	

References

App. C, Ref 8, 29

LR =

## **DRINKING WATER THREAT TARGETS**

- Record the water body type, flow (if applicable), and number of people served by each drinking water intake within the target distance limit. If there is no drinking water intake within the target distance limit, factors 4, 5, and 6 each receive zero scores.

Intake Name	Water Body Type	Flow	People Served
		cfs	
		cfs	
		cfs	

- PRIMARY TARGET POPULATION:** If you suspect any drinking water intake listed above has been exposed to a hazardous substance from the site (see Surface Water Pathway Criteria List, page 11), list the intake name(s) and calculate the factor score based on the total population served.

0 people  $\times 10 =$

- SECONDARY TARGET POPULATION:** Determine the number of people served by drinking water intakes that you do NOT suspect have been exposed to a hazardous substance from the site, and assign the total population score from PA Table 3.

Are any intakes part of a blended system? Yes ☐ No ☒  
If yes, attach a page to show apportionment calculations.

- NEAREST INTAKE:** If you have identified a primary target population for the drinking water threat (factor 4), assign a score of 50; otherwise, assign the Nearest Intake score from PA Table 3. If no drinking water intake exists within the target distance limit, assign a score of zero.

- RESOURCES**

T =

D	
0	
(50, 20, 10, 2, 1, or 0)	(20, 10, 2, 1, or 0)
0	
(5 = 0)	(5 = 0)
0	
0	

App. C, Ref 5, 20, 26

App. C, Ref 5, 20, 26

App. C, Ref 5, 20, 26

App. C, Ref 5, 20, 26

PA TABLE 3: VALUES FOR SECONDARY SURFACE WATER TARGET POPULATIONS

Surface Water Body Flow (see PA Table 4)	Population	Nearest Intake (choose highest)	Population Served by Intakes Within Flow Category											Population Value
			1 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	Greater than 1,000,000	
< 10 cfs	_____	20	2	5	16	52	163	521	1,633	5,214	16,325	52,136	163,248	_____
10 to 100 cfs	_____	2	1	1	2	5	16	52	163	521	1,633	5,214	16,325	_____
> 100 to 1,000 cfs	_____	1	0	0	0	0	2	5	16	52	163	521	1,633	_____
> 1,000 to 10,000 cfs	_____	0	0	0	0	0	1	1	2	5	16	52	163	_____
> 10,000 cfs or Great Lakes	_____	0	0	0	0	0	0	0	1	1	2	5	16	_____
3-mile Mixing Zone	_____	10	1	3	8	26	82	261	816	2,607	8,162	26,068	81,663	_____
Nearest Intake = _____			Score = _____											

PA TABLE 4: SURFACE WATER TYPE / FLOW CHARACTERISTICS WITH DILUTION WEIGHTS FOR SECONDARY SURFACE WATER SENSITIVE ENVIRONMENTS

Type of Surface Water Body		Dilution Weight
Water Body Type	OR Flow	
minimal stream	< 10 cfs	1
small to moderate stream	10 to 100 cfs	0.1
moderate to large stream	> 100 to 1,000 cfs	N/A
large stream to river	> 1,000 to 10,000 cfs	N/A
large river	> 10,000 cfs	N/A
3-mile mixing zone of quiet flowing streams or rivers	10 cfs or greater	N/A
coastal tidal water (harbors, sounds, bays, etc.), ocean, or Great Lakes	N/A	N/A

# **SURFACE WATER PATHWAY (continued)** **HUMAN FOOD CHAIN THREAT SCORESHEET**

## **LIKELIHOOD OF RELEASE**

Enter Surface Water Likelihood of Release score from page 12.

LR =

A	B
Suspected Release	No Suspected Release
(500)	(500,400,300 = 100)
550	

References

## **HUMAN FOOD CHAIN THREAT TARGETS**

8. Record the water body type and flow (if applicable) for each fishery within the target distance limit. If there is no fishery within the target distance limit, assign a Targets score of 0 at the bottom of the page.

Fishery Name	Water Body Type	Flow
NONE		cfs
		cfs
		cfs
		cfs
		cfs

9. PRIMARY FISHERIES: If you suspect any fishery listed above has been exposed to a hazardous substance from the site (see Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate Factor 10. List the primary fisheries:

NONE

## **10. SECONDARY FISHERIES**

- A. If you suspect a release to surface water and have identified a secondary fishery but no primary fishery, assign a score of 210.

- B. If you do not suspect a release, assign a Secondary Fisheries score from the table below using the lowest flow at any fishery within the target distance limit.

Lowest Flow	Secondary Fisheries Score
< 10 cfs	210
10 to 100 cfs	30
> 100 cfs, coastal tidal waters, oceans, or Great Lakes	12

T =

(300,310 = 0)	(210,30,12 = 0)
0	

App. C Ref 6, 26

App. C Ref 6, 26

App. C Ref 6, 26

**SURFACE WATER PATHWAY (continued)  
ENVIRONMENTAL THREAT SCORESHEET**

**LIKELIHOOD OF RELEASE**

Enter Surface Water Likelihood of Release score from page 12.

LR =

A	B
Suspected Release (100)	No Suspected Release (100,400,300 = 100)
550	

References

**ENVIRONMENTAL THREAT TARGETS**

11. Record the water body type and flow (if applicable) for each surface water sensitive environment within the target distance limit (see PA Tables 4 and 5). If there is no sensitive environment within the target distance limit, assign a Targets score of 0 at the bottom of the page.

Environment Name	Water Body Type	Flow
South River	Wetland	7100 cfs
		cfs
		cfs
		cfs
		cfs

12. PRIMARY SENSITIVE ENVIRONMENTS: If you suspect any sensitive environment listed above has been exposed to a hazardous substance from the site (see Surface Water Criteria List, page 11), assign a score of 300 and do not evaluate factor 13. List the primary sensitive environments:

13. SECONDARY SENSITIVE ENVIRONMENTS: If sensitive environments are present, but none is a primary sensitive environment, evaluate Secondary Sensitive Environments based on flow.

- A. For secondary sensitive environments on surface water bodies with flows of 100 cfs or less, assign scores as follows, and do not evaluate part B of this factor:

Flow	Dilution Weight (PA Table 4)	Environment Type and Value (PA Tables 5 and 6)	Total
> 100 cfs	x	Wetland	=
cfs	x		=
cfs	x		=
cfs	x		=
cfs	x		=

Sum =

- B. If all secondary sensitive environments are located on surface water bodies with flows > 100 cfs, assign a score of 10.

T =

0	
10	
10	

App C, Ref. 22, 25, 27

App C, Ref. 22, 25, 27

App C, Ref. 25, 27

PA TABLE 5: SURFACE WATER AND AIR PATHWAY SENSITIVE ENVIRONMENTS VALUES

<i>Sensitive Environment</i>	<i>Assigned Value</i>
Critical habitat for Federally designated endangered or threatened species	100
Marine Sanctuary	
National Park	
Designated Federal Wilderness Area	
Ecologically important areas identified under the Coastal Zone Wilderness Act	
Sensitive Areas identified under the National Estuary Program or Near Coastal Water Program of the Clean Water Act	
Critical Areas Identified under the Clean Lakes Program of the Clean Water Act (subareas in lakes or entire small lakes)	
National Monument (air pathway only)	
National Seashore Recreation Area	
National Lakeshore Recreation Area	
Habitat known to be used by Federally designated or proposed endangered or threatened species	75
National Preserve	
National or State Wildlife Refuge	
Unit of Coastal Barrier Resources System	
Federal land designated for the protection of natural ecosystems	
Administratively Proposed Federal Wilderness Area	
Spawning areas critical for the maintenance of fish/shellfish species within a river system, bay, or estuary	
Migratory pathways and feeding areas critical for the maintenance of anadromous fish species in a river system	
Terrestrial areas utilized for breeding by large or dense aggregations of vertebrate animals (air pathway) or semi-aquatic foragers (surface water pathway)	
National river reach designated as Recreational	
Habitat known to be used by State designated endangered or threatened species	50
Habitat known to be used by a species under review as to its Federal endangered or threatened status	
Coastal Barrier (partially developed)	
Federally designated Scenic or Wild River	
State land designated for wildlife or game management	25
State designated Scenic or Wild River	
State designated Natural Area	
Particular areas, relatively small in size, important to maintenance of unique biotic communities	
State designated areas for protection/maintenance of aquatic life under the Clean Water Act	5
Wetlands	See PA Table 6 (Surface Water Pathway) or PA Table 9 (Air Pathway)

PA TABLE 6: SURFACE WATER PATHWAY  
WETLANDS FRONTAGE VALUES

<i>Total Length of Wetlands</i>	<i>Assigned Value</i>
Less than 0.1 mile	0
0.1 to 1 mile	25
Greater than 1 to 2 miles	50
Greater than 2 to 3 miles	75
Greater than 3 to 4 miles	100
Greater than 4 to 8 miles	150
Greater than 8 to 12 miles	250
Greater than 12 to 16 miles	350
Greater than 16 to 20 miles	450
Greater than 20 miles	500

**SURFACE WATER PATHWAY (concluded)  
WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY**

WASTE CHARACTERISTICS	A	B
	<i>Suspected Release</i>	<i>No Suspected Release</i>
14. A. If you have identified any primary target for surface water (pages 12, 14, or 15), assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.	(100 = 32)	
B. If you have NOT identified any primary target for surface water, assign the waste characteristics score calculated on page 4.	(100, 32, or 18)	(100, 32, or 18)
	18	
WC =	18	

**SURFACE WATER PATHWAY THREAT SCORES**

Threat	<i>Likelihood of Release (LR) Score (from page 12)</i>	<i>Targets (T) Score (pages 12, 14, 15)</i>	<i>Pathway Waste Characteristics (WC) Score (determined above)</i>	<i>Threat Score LR x T x WC / 82,500</i>
Drinking Water	550	0	18	<small>(subject to a maximum of 100)</small> 0
Human Food Chain	550	0	18	<small>(subject to a maximum of 100)</small> 0
Environmental	550	10	18	<small>(subject to a maximum of 80)</small> 1.2

**SURFACE WATER PATHWAY SCORE**  
(Drinking Water Threat + Human Food Chain Threat + Environmental Threat)

<small>(subject to a maximum of 100)</small> 1.2
---

SOIL EXPOSURE PATHWAY CRITERIA LIST	
SUSPECTED CONTAMINATION	RESIDENT POPULATION
Surficial contamination can generally be assumed.	<p>Y N U e o n s k</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Does any neighboring property warrant sampling?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Other criteria? _____</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> RESIDENT POPULATION IDENTIFIED?</p>
Summarize the rationale for Resident Population (attach an additional page if necessary):	
<p>There are no residences, schools, or daycares on or within 200 ft of the site. Also, the facility is closed and a layer of gravel covers the soil so there are no employees at risk and no exposure pathway was discovered.</p>	

SOIL EXPOSURE PATHWAY SCORESHEET

Pathway Characteristics	
Do any people live on or within 200 ft of areas of suspected contamination?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is the facility active? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, estimate the number of workers: _____	

LIKELIHOOD OF EXPOSURE

	Suspected Contamination (550 = 0)
1. SUSPECTED CONTAMINATION: Surficial contamination can generally be assumed, and a score of 550 assigned. Assign zero only if the absence of surficial contamination can be confidently demonstrated. LE =	550

References

App. C, Ref. 8

RESIDENT POPULATION THREAT TARGETS

2. RESIDENT POPULATION: Determine the number of people occupying residences or attending school or daycare on or within 200 feet of areas of suspected contamination (see Soil Exposure Pathway Criteria List, page 18). 0 people x 10 =	0 (10 = 0)										
3. RESIDENT INDIVIDUAL: If you have identified a resident population (factor 2), assign a score of 50; otherwise, assign a score of 0.	0 (10, 10, 0 = 0)										
4. WORKERS: Use the following table to assign a score based on the total number of workers at the facility and nearby facilities with suspected contamination: <table border="1"><thead><tr><th>Number of Workers</th><th>Score</th></tr></thead><tbody><tr><td>0</td><td>0</td></tr><tr><td>1 to 100</td><td>5</td></tr><tr><td>101 to 1,000</td><td>10</td></tr><tr><td>&gt; 1,000</td><td>15</td></tr></tbody></table>	Number of Workers	Score	0	0	1 to 100	5	101 to 1,000	10	> 1,000	15	0
Number of Workers	Score										
0	0										
1 to 100	5										
101 to 1,000	10										
> 1,000	15										
5. TERRESTRIAL SENSITIVE ENVIRONMENTS: Use PA Table 7 to assign a value for each terrestrial sensitive environment on an area of suspected contamination: <table border="1"><thead><tr><th>Terrestrial Sensitive Environment Type</th><th>Value</th></tr></thead><tbody><tr><td> </td><td> </td></tr><tr><td> </td><td> </td></tr></tbody></table> Sum =	Terrestrial Sensitive Environment Type	Value					0 (0 = 0)				
Terrestrial Sensitive Environment Type	Value										
6. RESOURCES	0										
T =	0										

App. C, Ref. 6, 8, 9, 11

App. C, Ref. 6, 8, 9, 11

App. C, Ref. 6, 8, 9, 11

App. C, Ref. 6, 31

App. C, Ref. 6

WASTE CHARACTERISTICS

7. Assign the waste characteristics score calculated on page 4. WC =	(100, 32, = 18) 18
--	-----------------------

RESIDENT POPULATION THREAT SCORE:

LE X T X WC  
82,500

(subject to a maximum of 100)
0

NEARBY POPULATION THREAT SCORE:

(1, 2, = 1)
2

App. C, Ref. 6

SOIL EXPOSURE PATHWAY SCORE:

Resident Population Threat + Nearby Population Threat

(subject to a maximum of 100)
2

**PA TABLE 7: SOIL EXPOSURE PATHWAY  
TERRESTRIAL SENSITIVE ENVIRONMENT VALUES**

<i>Terrestrial Sensitive Environment</i>	<i>Assigned Value</i>
Terrestrial critical habitat for Federally designated endangered or threatened species	100
National Park	
Designated Federal Wilderness Area	
National Monument	
Terrestrial habitat known to be used by Federally designated or proposed threatened or endangered species	75
National Preserve (terrestrial)	
National or State terrestrial Wildlife Refuge	
Federal land designated for protection of natural ecosystems	
Administratively proposed Federal Wilderness Area	
Terrestrial areas utilized by large or dense aggregations of animals (vertebrate species) for breeding	
Terrestrial habitat used by State designated endangered or threatened species	50
Terrestrial habitat used by species under review for Federal designated endangered or threatened status	
State lands designated for wildlife or game management	25
State designated Natural Areas	
Particular areas, relatively small in size, important to maintenance of unique biotic communities	

AIR PATHWAY CRITERIA LIST	
SUSPECTED RELEASE	PRIMARY TARGETS
<p>Y N U e o n s k</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Are odors currently reported?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Has release of a hazardous substance to the air been directly observed?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Are there reports of adverse health effects (e.g., headaches, nausea, dizziness) potentially resulting from migration of hazardous substances through the air?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Does analytical or circumstantial evidence suggest a release to the air?</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> Other criteria? _____</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> SUSPECTED RELEASE?</p>	<p>If you suspect a release to air, evaluate all populations and sensitive environments within 1/4 mile (including those onsite) as primary targets.</p>
<p>Summarize the rationale for Suspected Release (attach an additional page if necessary):</p> <p>There have been no reports of any adverse health effects resulting from a release at the site, no odors and no analytical or circumstantial evidence to suggest a release.</p>	

# AIR PATHWAY SCORESHEET

Pathway Characteristics	
Do you suspect a release (see Air Pathway Criteria List, page 21)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Distance to the nearest individual:	7200 ft

LIKELIHOOD OF RELEASE	A	B
	Suspected Release (550)	No Suspected Release (500)
1. SUSPECTED RELEASE: If you suspect a release to air (see page 21), assign a score of 550. Use only column A for this pathway.		
2. NO SUSPECTED RELEASE: If you do not suspect a release to air, assign a score of 500. Use only column B for this pathway.		500
LR =		500

References

App. C, Ref 6, 8

TARGETS	A	B								
3. PRIMARY TARGET POPULATION: Determine the number of people subject to exposure from a suspected release of hazardous substances to the air. 0 people x 10 =										
4. SECONDARY TARGET POPULATION: Determine the number of people not suspected to be exposed to a release to air, and assign the total population score using PA Table 8.		94								
5. NEAREST INDIVIDUAL: If you have identified any Primary Target Population for the air pathway, assign a score of 50; otherwise, assign the Nearest Individual score from PA Table 8.		20								
6. PRIMARY SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (PA Table 5) and wetland acreage values (PA Table 9) for environments subject to exposure from a suspected release to the air.										
<table border="1"> <thead> <tr> <th>Sensitive Environment Type</th> <th>Value</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Sensitive Environment Type	Value								
Sensitive Environment Type	Value									
Sum =										
7. SECONDARY SENSITIVE ENVIRONMENTS: Use PA Table 10 to determine the score for secondary sensitive environments.		0								
8. RESOURCES		0								
T =		114								

App. C, Ref 6, 17

App. C, Ref 6, 1

App. C, Ref 27, 3

App. C, Ref 6

WASTE CHARACTERISTICS	A	B
9. A. If you have identified any Primary Target for the air pathway, assign the waste characteristics score calculated on page 4, or a score of 32, whichever is GREATER; do not evaluate part B of this factor.		
B. If you have NOT identified any Primary Target for the air pathway, assign the waste characteristics score calculated on page 4.		18
WC =		18

AIR PATHWAY SCORE:

$$\frac{LR \times T \times WC}{82,500}$$

(subject to a maximum of 100)

12.4

PA TABLE 8: VALUES FOR SECONDARY AIR TARGET POPULATIONS

Distance from Site	Population	Nearest Individual (choose highest)	Population Within Distance Category												Population Value
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	Greater than 1,000,000	
Onsite	<u>0</u>	20	1	2	5	16	52	163	521	1,633	5,214	16,325	52,136	163,246	<u>0</u>
>0 to ¼ mile	<u>733</u>	20	1	1	1	4	13	41	130	408	1,303	4,081	13,034	40,811	<u>13</u>
> ¼ to ½ mile	<u>2626</u>	2	0	0	1	1	3	6	28	88	282	882	2,815	8,815	<u>9</u>
> ½ to 1 mile	<u>10542</u>	1	0	0	0	1	1	3	8	28	83	261	834	2,612	<u>26</u>
> 1 to 2 miles	<u>40185</u>	0	0	0	0	0	1	1	3	8	27	83	266	833	<u>27</u>
> 2 to 3 miles	<u>59876</u>	0	0	0	0	0	1	1	1	4	12	38	120	376	<u>12</u>
> 3 to 4 miles	<u>84586</u>	0	0	0	0	0	0	1	1	2	7	23	73	229	<u>7</u>
Nearest Individual =		20	Score =												94

PA TABLE 9: AIR PATHWAY VALUES FOR WETLAND AREA

Wetland Area	Assigned Value
Less than 1 acre	0
1 to 50 acres	25
Greater than 50 to 100 acres	75
Greater than 100 to 150 acres	125
Greater than 150 to 200 acres	175
Greater than 200 to 300 acres	250
Greater than 300 to 400 acres	350
Greater than 400 to 500 acres	450
Greater than 500 acres	500

PA TABLE 10: DISTANCE WEIGHTS AND CALCULATIONS FOR AIR PATHWAY SECONDARY SENSITIVE ENVIRONMENTS

	Distance	Sensitive Environment Type and Value (from PA Table 5 or 9)		Product
Distance	Weight			
Onsite	0.10	x		
		x		
0-1/4 mi	0.025	x		
		x		
		x		
1/4-1/2mi	0.0054	x		
		x		
		x		
		x		
Total Environments Score =				

## SITE SCORE CALCULATION

	S	S <sup>2</sup>
GROUND WATER PATHWAY SCORE (S <sub>gw</sub> ):	2.28	5.19
SURFACE WATER PATHWAY SCORE (S <sub>sw</sub> ):	1.2	1.44
SOIL EXPOSURE PATHWAY SCORE (S <sub>s</sub> ):	2	4
AIR PATHWAY SCORE (S <sub>a</sub> ):	12.4	153.76
SITE SCORE:	$\sqrt{\frac{S_{gw}^2 + S_{sw}^2 + S_s^2 + S_a^2}{4}}$	
		6.4

## SUMMARY

	YES	NO
1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water?  A. If yes, identify the well(s). _____  B. If yes, how many people are served by the threatened well(s)? _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?  A. Drinking water intake B. Fishery C. Sensitive environment (wetland, critical habitat, others) D. If yes, identify the target(s). _____ _____ _____	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility?  If yes, identify the property(ies) and estimate the associated population(s). _____ _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Are there public health concerns at this site that are not addressed by PA scoring considerations? If yes, explain: _____ _____ _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>